STR-DA5200ES

SERVICE MANUAL

Ver. 1.0 2006.09

US Model
Canadian Model
AEP Model
UK Model

This receiver incorporates Dolby* Digital and Pro Logic Surround and the DTS** Digital Surround System.

* Manufactured under license from Dolby Laboratories.
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** Manufactured under license from Digital Theater Systems, Inc. U.S. Pat.
No's. 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,226,616; 6,487,535 and other U.S. and world-wide patents issued and pending.
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SPECIFICATIONS

AUDIO POWER SPECIFICATIONS (US and Canadian models)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 8 ohm loads, both channels driven, from 20 – 20,000 Hz; rated 120 watts per channel minimum RMS power, with no more than 0.09% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section (US and Canadian models)

POWER OUTPUT

Rated Power Output at Stereo Mode[1) 2)]
(8 ohms 20 Hz – 20 kHz, THD 0.09%):
120 W + 120 W

Reference Power Output at Stereo Mode
(4 ohms 20 Hz – 20 kHz, THD 0.15%):
120 W + 120 W

Reference Power Output
(8 ohms 1 kHz, THD 0.7%)
FRONT[2)]:
130 W + 130 W
CENTER[2)]: 130 W
SURROUND[2)]:
130 W + 130 W
SURROUND BACK[2)]:
130 W + 130 W

Reference Power Output
(4 ohms 1 kHz, THD 0.7%)
FRONT[2)]:
130 W + 130 W
CENTER[2)]: 130 W
SURROUND[2)]:
130 W + 130 W
SURROUND BACK[2)]:
130 W + 130 W

[1)]Depending on the sound field settings and the source, there may be no sound output.
[2)]Measured under the following conditions:
Power requirements: 120 V AC, 60 Hz

Amplifier section (AEP and UK models)

POWER OUTPUT

Rated Power Output at Stereo Mode[1) 2)]
(8 ohms 1 kHz, THD 0.7%):
125 W + 125 W

Reference Power Output at Stereo Mode[2)]
(4 ohms 1 kHz, THD 0.7%):
125 W + 125 W

Reference Power Output
(8 ohms 20 Hz – 20 kHz, THD 0.09%)
FRONT[2)]:
120 W + 120 W
CENTER[2)]:
120 W
SURROUND[2)]:
120 W + 120 W
SURROUND BACK[2)]:
120 W + 120 W

Reference Power Output
(4 ohms 20 Hz – 20 kHz, THD 0.15%)
FRONT[2)]:
120 W + 120 W
CENTER[2)]:
120 W
SURROUND[2)]:
120 W + 120 W
SURROUND BACK[2)]:
120 W + 120 W

Reference Power Output at Stereo Mode
(8 ohms 1 kHz, THD 10%):
150 W + 150 W

– Continued on next page –

MULTI CHANNEL AV RECEIVER

9-887-400-01
2006I05-1
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Home Audio Division
Published by Sony Techno Create Corporation

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Reference Power Output at Stereo Mode
(4 ohms 1 kHz, THD 10%):
150 W + 150 W
Reference Power Output
(8 ohms 1 kHz, THD 10%)
FRONT[2)]:
150 W + 150 W
CENTER[2)]:
150 W
SURROUND[2)]:
150 W + 150 W
SURROUND BACK[2)]:
150 W + 150 W
Reference Power Output
(4 ohms 1 kHz, THD 10%)
FRONT[2)]:
150 W + 150 W
CENTER[2)]:
150 W
SURROUND[2)]:
150 W + 150 W
SURROUND BACK[2)]:
150 W + 150 W

[1)]Depending on the sound field settings and the source, there may be no sound output.
[2)]Measured under the following conditions:
Power requirements: 230 V AC, 50/60 Hz
(in countries/area in Europe other than the UK)
240 V AC, 50/60 Hz
(in the UK and general area)

Frequency response

PHONO	RIAA equalization curve ± 0.5 dB
MULTI CHANNEL INPUT, SA-CD/CD, TAPE/CD-R, MD/DAT, DVD, VIDEO 1/2/3	10 Hz – 100 kHz ± 3 dB

Inputs (Analog)

PHONO	Sensitivity: 2.5mV Impedance: 50kohms S/N: 90dB (A, 20 kHz LPF)
MULTI CHANNEL INPUT, SA-CD/CD, TAPE/CD-R, MD/DAT, DVD, TV/SAT, VIDEO1/2/3	Sensitivity: 150mV Impedance: 50kohms S/N: 100dB (A, 20 kHz LPF)

Inputs (Digital)

DVD, TAPE/CD-R, SA-CD/CD (Coaxial)	Impedance: 75ohms S/N: 96dB (A, 20 kHz LPF)
VIDEO 1/2/3, TV/SAT, MD/DAT (Optical)	S/N: 96 dB (A, 20 kHz LPF)

Outputs

TAPE/CD-R, MD/DAT (REC OUT), VIDEO1/2 (AUDIO OUT)	Voltage:150mV Impedance: 1kohms
FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK L/R, SUB WOOFER	Voltage: 2V Impedance: 1kohms

EQUALIZER

Gain levels	±10 dB, 1 dB step

FM tuner section

Tuning range	87.5 – 108.0 MHz
Antenna (aerial)	FM wire antenna (aerial)
Antenna (aerial) terminals	75 ohms, unbalanced
Sensitivity	
Mono:	18.3 dBf, 2.2 µV/75 ohms
Stereo:	38.3 dBf, 22.5 µV/75 ohms
Usable sensitivity	11.2 dBf, 1 µV/75 ohms
S/N	
Mono:	76 dB
Stereo:	70 dB
Harmonic distortion at 1 kHz	
Mono:	0.3%
Stereo:	0.5%
Separation	45 dB at 1 kHz
Frequency response	30 Hz – 15 kHz, +0.5/–2 dB
Selectivity	60 dB at 400 kHz

AM tuner section (US and Canadian models)

Tuning range	530 – 1,710 kHz[3)] (With 10-kHz tuning scale) 531 – 1,710 kHz[3)] (With 9-kHz tuning scale)
Antenna (aerial)	Loop antenna (aerial)
Usable sensitivity	50 dB µ/m (at 1,000 kHz or 999 kHz)
S/N	54 dB (at 50 mV/m)
Harmonic distortion	0.5% (50 mV/m, 400 Hz)
Selectivity	
At 9 kHz:	35 dB
At 10 kHz:	40 dB

[3)]You can change the AM tuning scale to either 9 kHz or 10 kHz. After tuning in any AM station, turn off the receiver. While holding down TUNING MODE, press POWER on the receiver. All preset stations will be erased when you change the tuning scale. To reset the scale to 10 kHz (or 9 kHz), repeat the procedure.

AM tuner section (AEP and UK models)

Tuning range	531 – 1,602 kHz (With 9-kHz tuning scale)
Antenna (aerial)	Loop antenna (aerial)
Usable sensitivity	50 dB µ/m (at 999 kHz)
S/N	54 dB (at 50 mV/m)
Harmonic distortion	0.5% (50 mV/m, 400 Hz)
Selectivity	35 dB

USB section

Bit rate	
ATRAC:	48 – 352 kbps (ATRAC3 plus), 66/105/132 kbps (ATRAC3)
MP3 (MPEG 1 Audio Layer-3):	8 – 320kbps, VBR
WMA:	48 – 192 kbps, VBR
Sampling frequencies	
ATRAC:	44.1 kHz
MP3 (MPEG 1 Audio Layer-3):	32/44.1/48 kHz
WMA:	44.1 kHz

Video section

Inputs/Outputs	
Video:	1 Vp-p, 75 ohms
S video:	Y: 1 Vp-p, 75 ohms
	C: 0.286 Vp-p, 75 ohms
COMPONENT VIDEO:	
	Y: 1 Vp-p, 75 ohms
	P_B/C_B: 0.7 Vp-p, 75 ohms
	P_R/C_R: 0.7 Vp-p, 75 ohms
	80 MHz HD Pass Through

General (US and Canadian models)

Power requirements	120 V AC, 60 Hz
Power consumption	480 W/580 VA (US/Canada)
Power consumption (during standby mode)	1 W
AC outlets	2 switched, 100 W/0.8 A MAX
Dimensions	430 × 175 × 430 mm (width/height/depth) including projecting parts and controls
Mass (Approx.)	15.5 kg (34 lb 3 oz)

General (AEP and UK models)

Power requirements	230 V AC, 50/60 Hz (in countries/area in Europe other than UK) 240 V AC, 50/60 Hz (in UK and general area)
Power consumption	480 W
Power consumption (during standby mode)	1 W
AC outlets	1 switched, 100 W MAX (Models for countries/areas in Europe other than the UK.)
Dimensions	430 × 175 × 430 mm (width/height/depth) including projecting parts and controls
Mass (Approx.)	15.5 kg

Supplied accessories

Operating Instructions
Quick Setup Guide (1)
Optimizer microphone ECM-AC1 (1)
FM wire antenna (aerial) (1)
AM loop antenna (aerial) (1)
AC power cord (mains lead) (1)
Remote commander RM-AAL005 (1) (US and Canadian models)
Remote commander RM-AAL006 (1) (AEP and UK models)
Remote commander RM-AAU009 (1)
R6 (size-AA) batteries (4)

Design and specifications are subject to change without notice.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

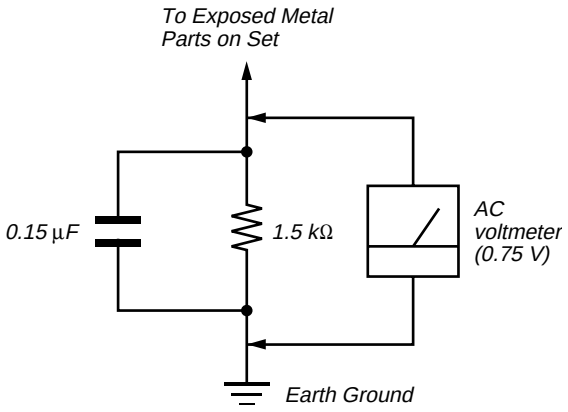

Fig. A. Using an AC voltmeter to check AC leakage.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COM- POSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

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SECTION 1
SERVICING NOTES

• MODEL IDENTIFICATION

– Back Panel –

Model	PART No.
US and Canadian models	2-668-097-7□
AEP model	2-668-097-8□
UK model	2-668-097-9□

NOTE OF REPLACING THE IC3509 AND IC3513 ON THE HDMI BOARD

When IC3509 and IC3513 on the HDMI board are damaged, exchange the new HDMI board for the HDMI board which IC damaged. When throwing away the HDMI board, be sure to throw away after destroying IC3509 and IC3513 physically with the hammer etc.

COLOR VARIATION

Destination	COLOR	
	BLACK	SILVER
US, Canadian	●	
AEP, UK	●	●

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 °C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscou-s (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

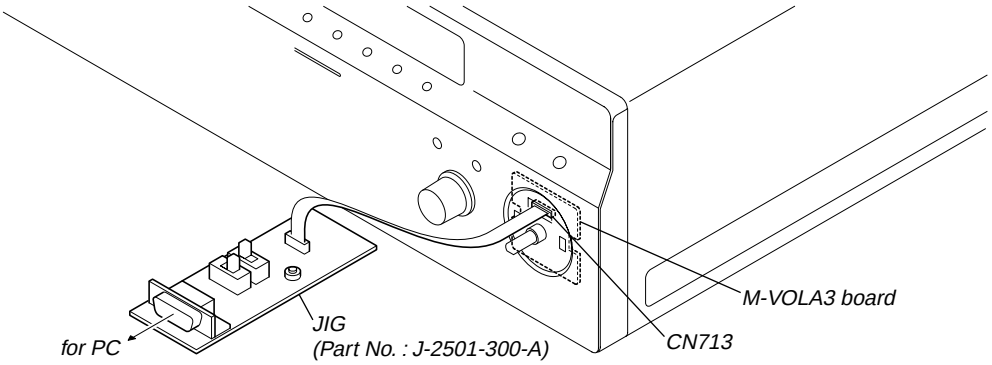
NOTE THE IC3601 ON THE HDMI BOARD AND IC084 ON THE USB BOARD REPLACING

Replacement of IC3601 on the HDMI board and IC084 on the USB board used in this set requires a special tool.

UPDATE OF SOFTWARE OF THE SYSTEM CONTROLLER (IC2054)/HDMI CONTROLLER (IC3610)/ USB CONTROLLER (IC006)

Perform operation of the following when the update of software of the system controller (IC2054)/HDMI controller (IC3610)/USB controller (IC006) is necessary.

Connect:



Procedure:

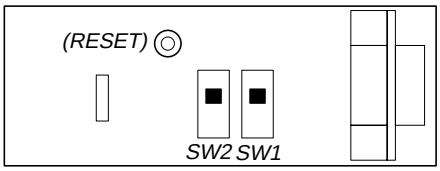
1. Turn off the main power and setting the jig referring to Fig. 1 (Note: Do this setting before connecting jig with the set).
2. Remove the KNOB (VOL) ASSY and connect CN713 (M-VOLA3 board) and PC by using the jig.
3. Turn on the main power and perform the operation according to the application.
4. After “Please Reset” is displayed, reset switch on the jig is pushed and update is completed.
5. Turn off the main power and remove the jig.
6. Turn on the main power.

Fig.1 Setting for jig

When system controller (IC2054) is updated

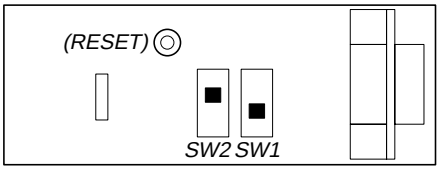
SW1: up, SW2: down

When HDMI controller (IC3610) is updated



SW1: up, SW2: up

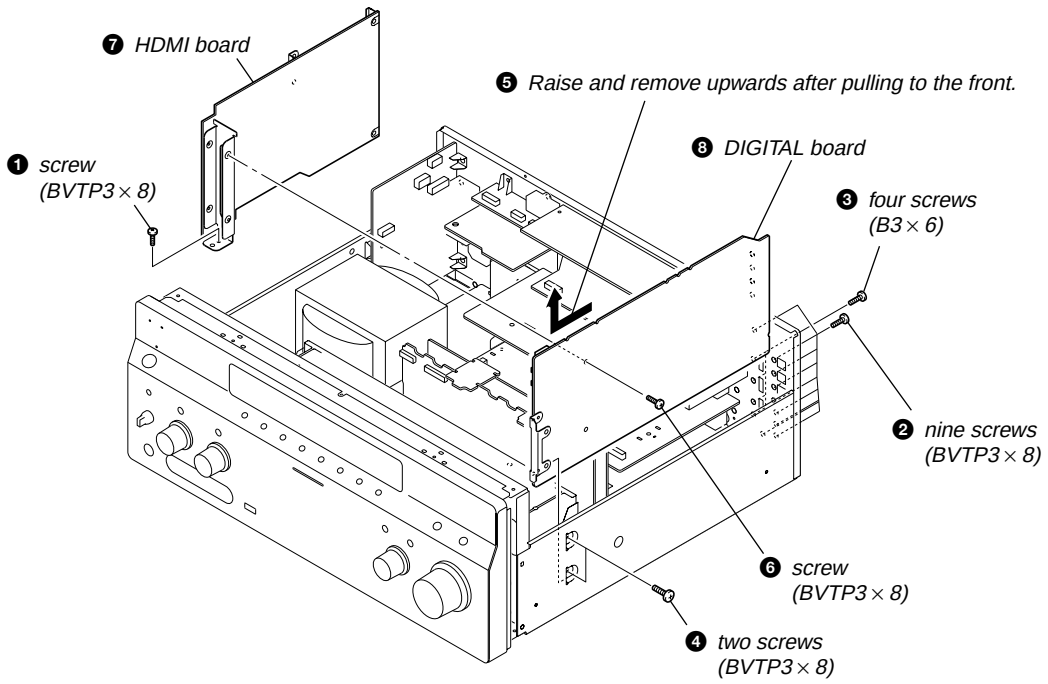
When USB controller (IC006) is updated

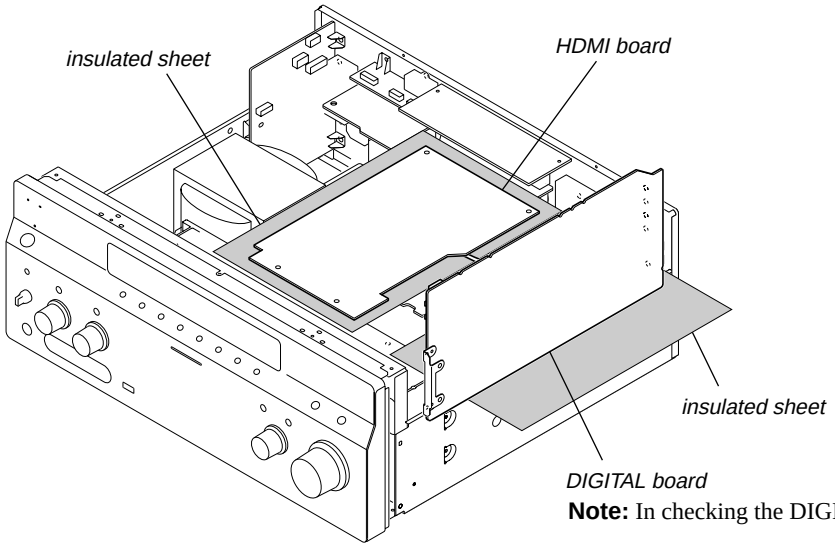


SW1: down, SW2: up

DIGITAL/HDMI BOARDS SERVICE POSITION

Note: Follow the disassembly procedure in the numerical order given.

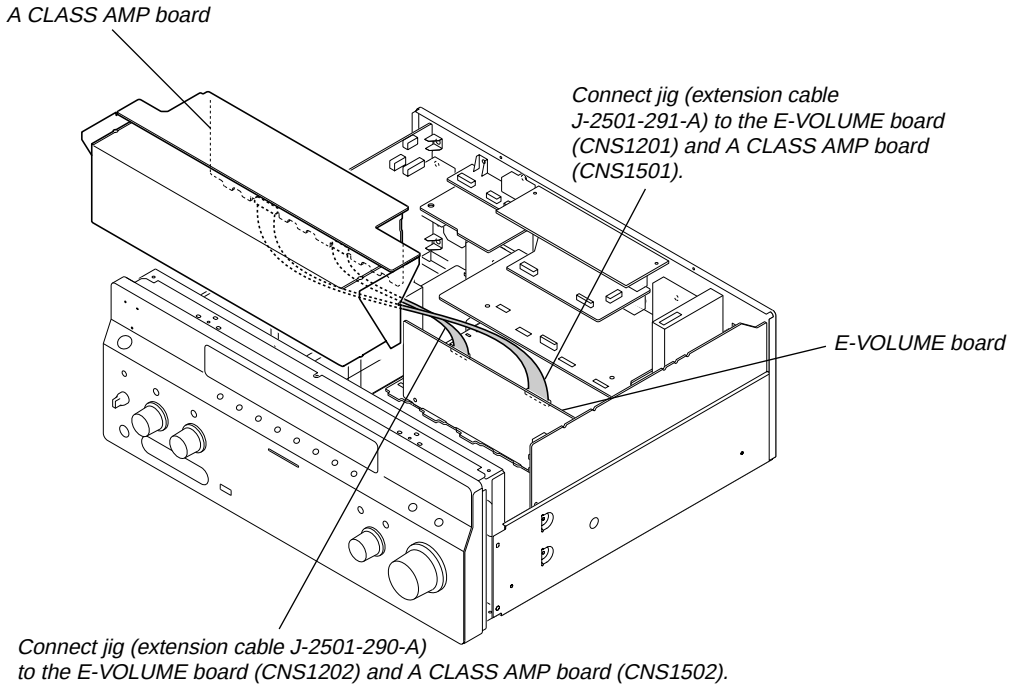




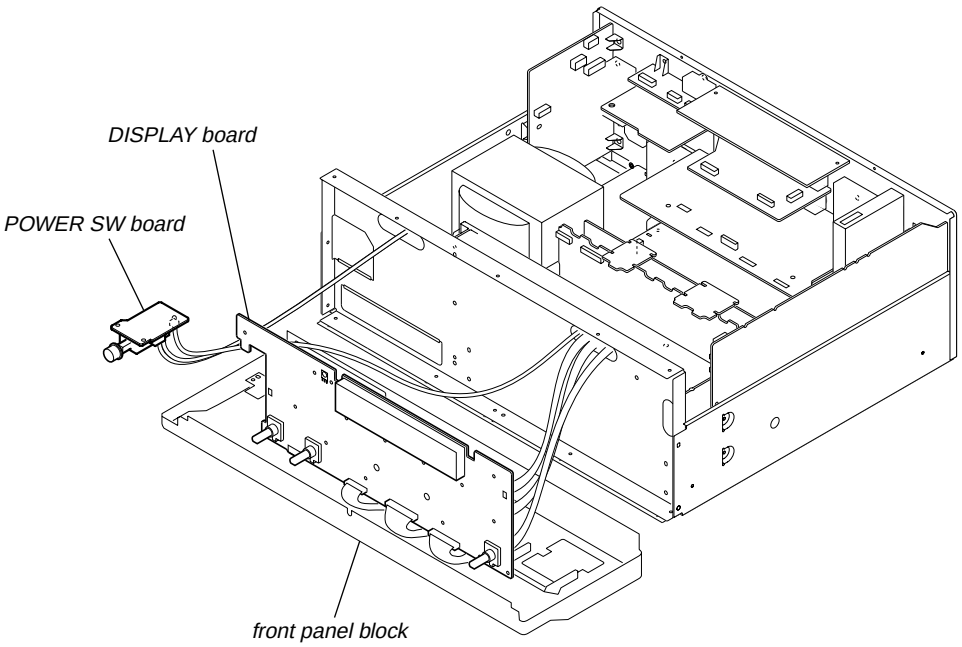
Note: In checking the DIGITAL board, remove the HDMI board.

AMP BLOCK SERVICE POSITON

In checking the AMP block, prepare jig (extension cable J-2501-290-A: 500 mm 9 core/J-2501-291-A: 500 mm 12 core).

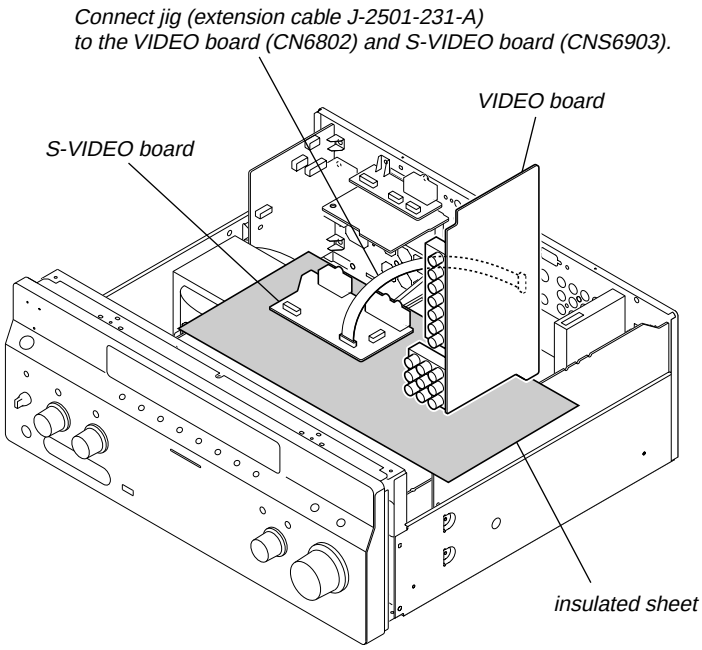


DISPLAY BOARD SERVICE POSITON



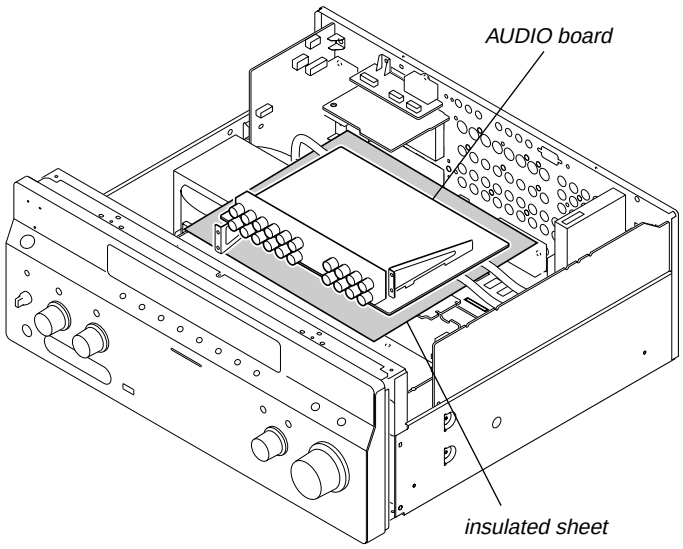
VIDEO BOARD SERVICE POSITON

In checking the VIDEO board, prepare jig (extension cable J-2501-231-A: 300 mm 15 core).



AUDIO BOARD SERVICE POSITON

In checking the AUDIO board, remove the VIDEO board and S-VIDEO board.

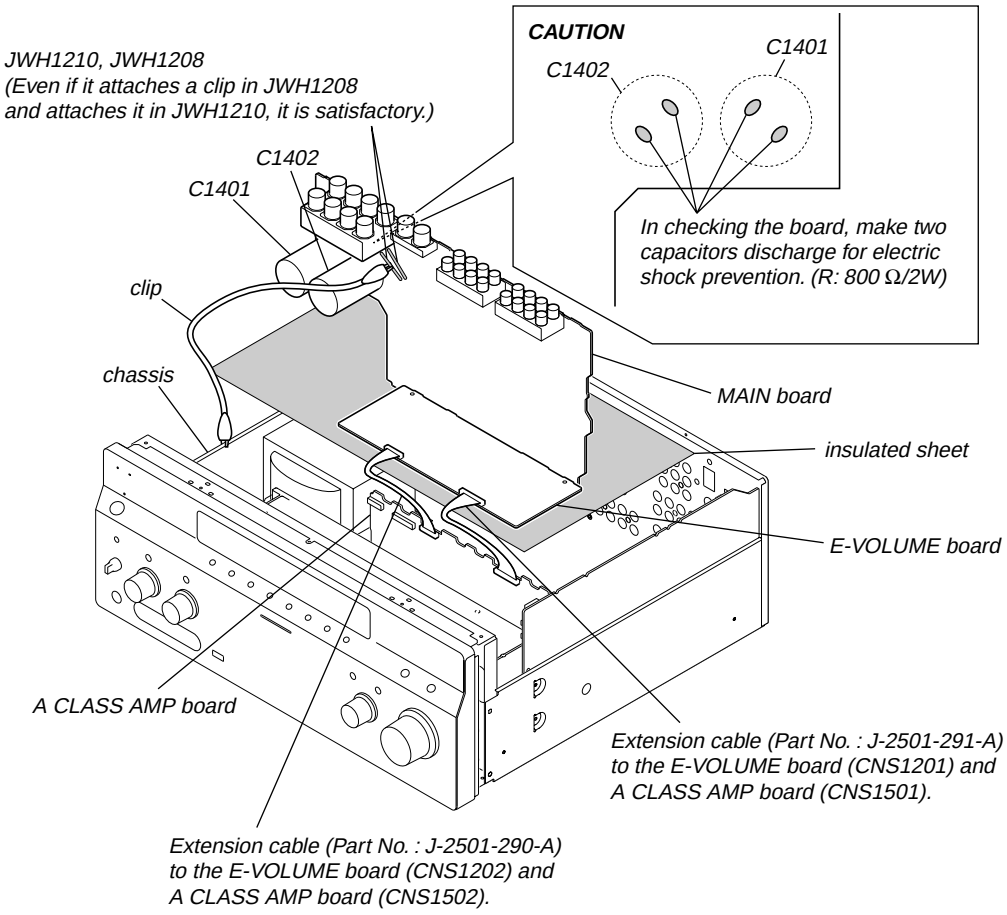


MAIN/E-VOLUME BOARDS SERVICE POSITON

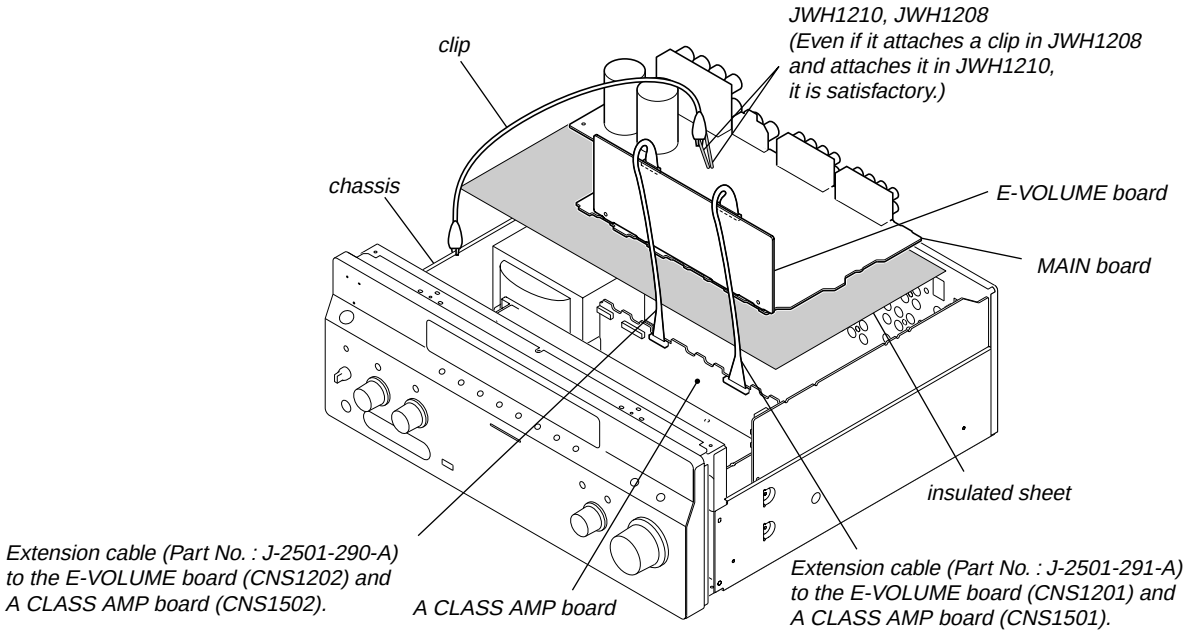
In checking the MAIN/E-VOLUME board, prepare jig (extension cable J-2501-290-A: 500 mm 9 core/J-2501-291-A: 500 mm 12 core).

Note: Be sure to ground the MAIN board with a clip when checking it.

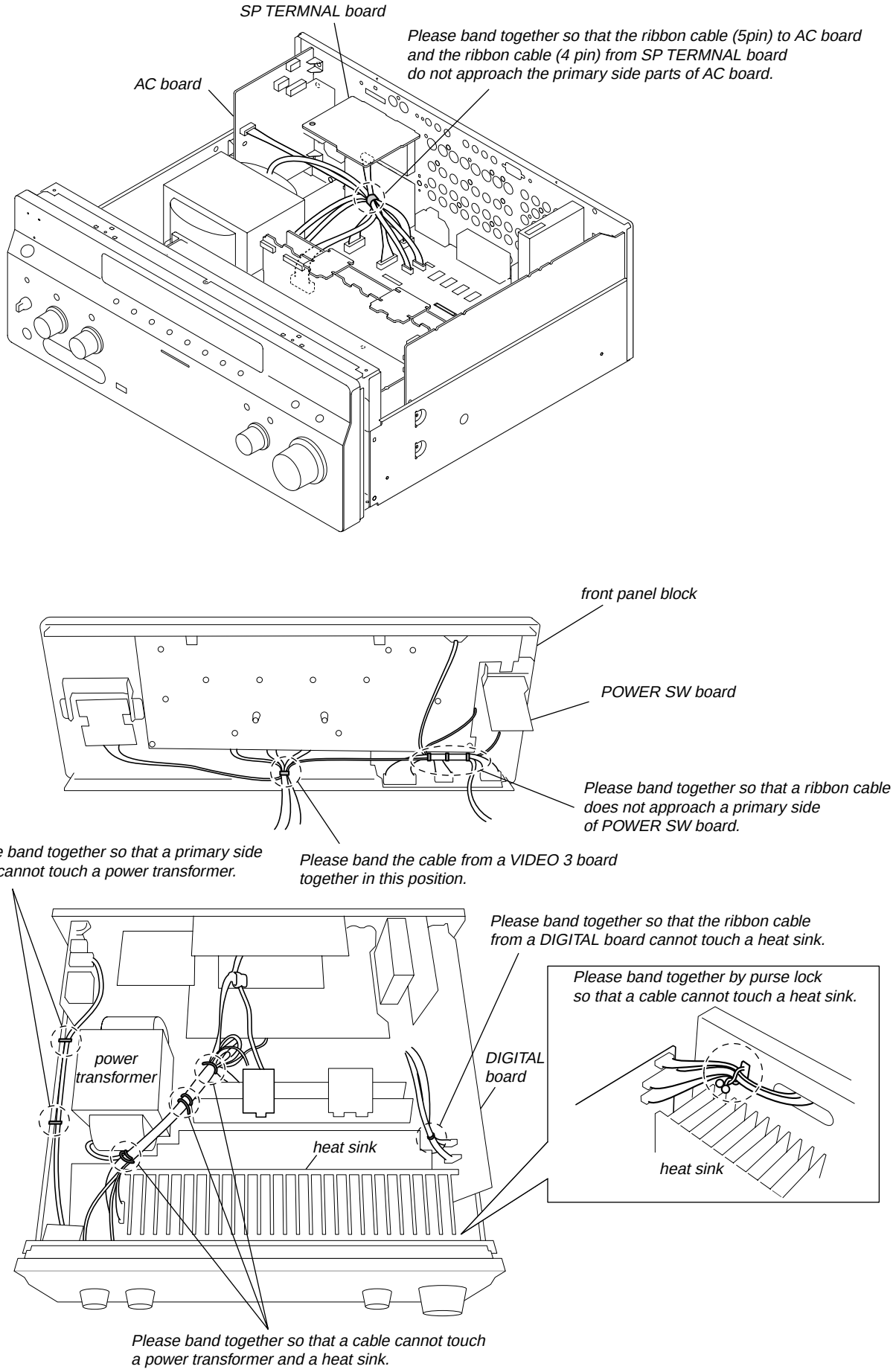
– MAIN board –



– E-VOLUME board –



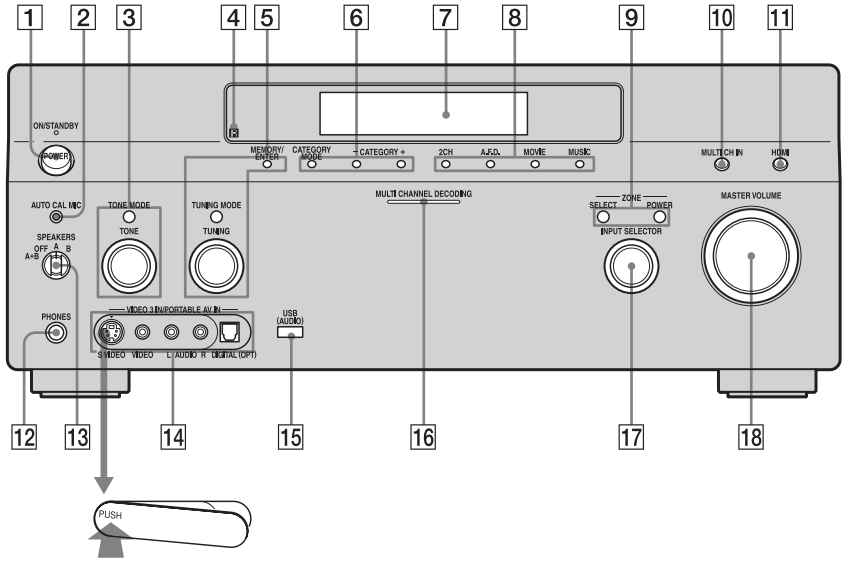
HARNESS SETTING



Getting Started

Description and location of parts (US and Canadian models)

Front panel



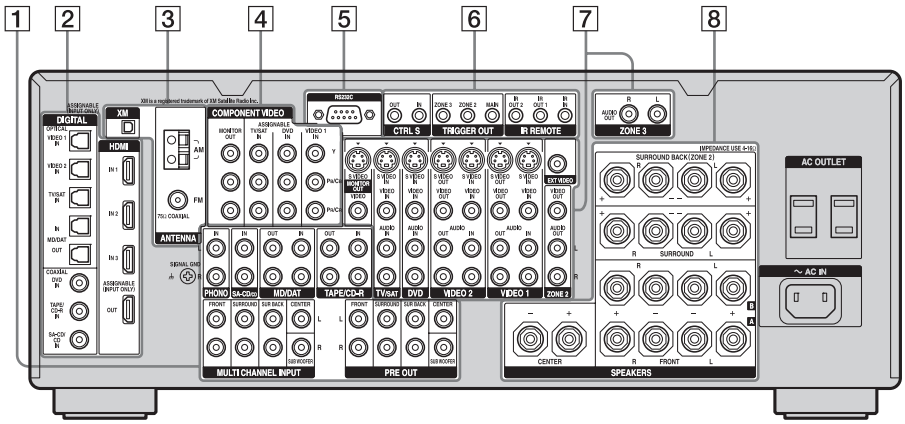
To remove the cover

Press PUSH.

When you remove the cover, keep it out of reach from children.

Name	Function
1 **POWER**	Press to turn the receiver on or off
2 **AUTO CAL MIC jack**	Connects to the supplied optimizer microphone for the Digital Cinema Auto Calibration function.
3 **TONE MODE** / **TONE**	Adjusts FRONT BASS and FRONT TREBLE. Press TONE MODE repeatedly to select BASS or TREBLE, then turn TONE to adjust the level.
4 **Remote sensor**	Receives signals from remote commander.
5 **MEMORY/ ENTER** / **TUNING MODE** / **TUNING**	Press to operate a tuner (FM/AM/XM Radio).
6 **CATEGORY MODE** / **CATEGORY +/–**	Used when listening to XM Radio.
7 **Display window**	The current status of the selected component or a list of selectable items appears here.
8 **2CH** / **A.F.D.** / **MOVIE** / **MUSIC**	Press to select sound field.
9 **POWER** / **SELECT**	Press SELECT repeatedly to select zone 2 or zone 3, then press POWER to output signals to the selected zone.
10 **MULTI CH IN**	Press to select the audio input signal from the component connected to the MULTI CHANNEL INPUT jack.
11 **HDMI**	Press to select input source from the component connected to the HDMI IN jack.
12 **PHONES jack**	Connects to headphones.
13 **SPEAKERS (OFF/A/B/A+B)**	Switch to OFF, A, B, A+B of the front speakers.
14 **VIDEO 3 IN/ PORTABLE AV IN jacks**	Connect to a portable audio/video component such as a camcorder or video game.
15 **USB (AUDIO) jack**	Connects to a portable audio product with a USB jack.
16 **MULTI CHANNEL DECODING lamp**	Lights up when multi-channel audio signals are decoded.
17 **INPUT SELECTOR**	Turn to select the input source to play back.
18 **MASTER VOLUME**	Turn to adjust the volume level of all speakers at the same time.

Rear panel



1 AUDIO INPUT/OUTPUT section

L / R	AUDIO IN/ OUT jacks	Connect to a tape deck, MD deck or DAT player, etc.
MULTI CHANNEL INPUT	MULTI CHANNEL INPUT jacks	Connect to a Super Audio CD player or DVD player with an analog audio jack for 7.1 channel or 5.1 channel sound.
PRE OUT	PRE OUT jacks	Connect to an external power amplifier.

2 DIGITAL INPUT/OUTPUT section

	OPTICAL IN/ OUT jacks	Connects to a DVD player, Super Audio CD player, etc. The COAXIAL jack provides a better quality sound.
	COAXIAL IN jacks	
	HDMI IN/OUT jacks	Connects to a DVD player, or a satellite tuner. An image and the sound are output to TV or a projector.

3 ANTENNA section

	FM ANTENNA jack	Connects to the FM wire antenna (aerial) supplied with this receiver.
	AM ANTENNA jack	Connects to the AM loop antenna (aerial) supplied with this receiver.
	XM ANTENNA jack	Connects to the XM Connect-and-Play antenna (aerial) (not supplied).

4 COMPONENT VIDEO INPUT/ OUTPUT section

Y / P_B/C_B / P_R/C_R	COMPONENT VIDEO (Y, P_B/C_B, P_R/C_R) INPUT/ OUTPUT jacks*	Connect to a DVD player, TV, or a satellite tuner.

5 RS-232C jack

		Used for maintenance and service.

6 Control jack for Sony equipment and other external components

	CTRL S IN/ OUT jacks	Connects to Sony TV, DVD player or VCR with CONTROL S jack.
	TRIGGER OUT jacks	Connects to interlock on/off of the power supply of other 12V TRIGGER compliant components, or the amplifier/receiver of zone 2 or zone 3.
	IR REMOTE IN/OUT jacks	Connects an IR repeater.

7 VIDEO/AUDIO INPUT/OUTPUT section

L / R	AUDIO IN/ OUT jacks	Connects to a VCR or a DVD player etc.
	VIDEO IN/ OUT jacks*	
	S VIDEO IN/ OUT jacks*	
ZONE 2	AUDIO IN/ OUT jack VIDEO IN/ OUT jacks	Connects to the component in zone 2 or zone 3.
ZONE 3		
EXT VIDEO	VIDEO IN jack	Connects to the component when you want to watch in PIP (Picture in Picture) window.

8 SPEAKERS section

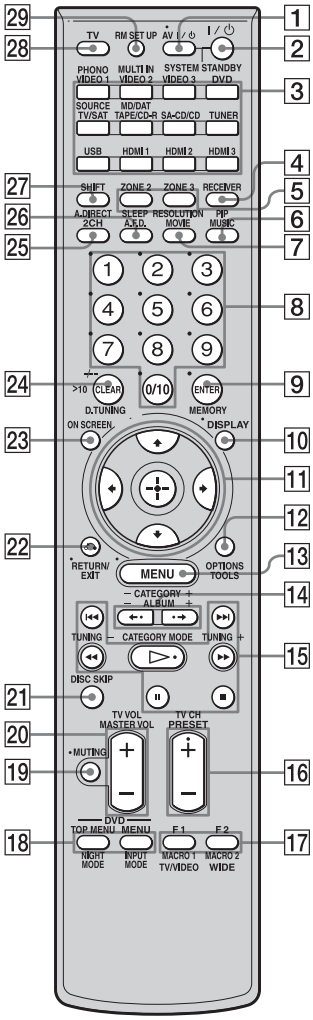
– / +		Connects to speakers.

* You can watch the selected input image when you connect the MONITOR OUT jack to a TV. You can operate this receiver using a GUI (Graphical User Interface).

Remote commander

You can use the supplied remote RM-AAL005 to operate the receiver and to control the Sony audio/video components that the remote is assigned to operate.

RM-AAL005



Name	Function
1 **AV I/⏻ (on/ standby)**	Press to turn on or off the audio/video components that the remote is assigned to operate. If you press the **I/⏻** (2) at the same time, it will turn off the receiver and other Sony components (SYSTEM STANDBY). **Note** The function of the AV **I/⏻** switchchanges automatically each time youpress the input button (3).
2 **I/⏻ (on/ standby)**	Press to turn the receiver on or off. If ZONE 2 or ZONE 3 is selected, only the main receiver is turned on oroff with this button. To turn off all components including an amplifier in zone 2 or zone 3, press **I/⏻** and AV **I/⏻** (1) at the same same time (SYSTEM STANDBY).
3 **Input buttons**	Press one of the buttons to select the component you want to use. Press a pink-labeled button after pressing SHIFT (27). When you press any of the input buttons, the receiver turns on. The buttons are factory assigned to control Sony components. You can program the remote to to control non-Sony components following the steps in "Programming the remote".
4 **RECEIVER**	Press to enable the receiver operation.
5 **ZONE 2 ZONE 3**	Press to enable the zone 2/zone 3 operation.

Name	Function
6 **PIP**	Press SHIFT (27), then press PIP toswitch the image of the PIP (Picture in Picture) window. The image will be changed as follows. EXT VIDEO → ZONE 2 VIDEO → OFF. You canalso change the size of the PIP window by pressing ↑/↓. **Note** The HDMI video signals are not output while the PIP window is displayed.
MUSIC	Press to select sound field.
7 **RESOLUTION**	Press SHIFT (27) then press RESOLUTION repeatedly to change the resolution of signals output from the HDMI OUT or COMPONENT VIDEO MONITOR OUT jack.
MOVIE	Press to select sound field.
8 **Numeric buttons**	Press to – preset/tune to preset stations. – select track numbers of the CD player, DVD player or MD deck. Press 0/10 to select track number 10. – select channel numbers of the VCR or satellite tuner. – After pressing TV (28), press the numeric buttons to select the TV channels.
9 **ENTER**	Press to enter the value after selecting a channel, disc or track using the numeric buttons.
MEMORY	Press to store a station during tuner operation.
10 **DISPLAY**	Press to select information displayed on the display window, TV screen of the VCR, satellite tuner, CD player, DVD player, or MD deck.
11 ↑/↓/←/→	After pressing MENU (13) or TOP MENU (18), press ↑/↓, ← or → to select the settings. Then press ⊕ to enter the selection.
12 **OPTIONS**	Press to display and select items from option menus for receiver and DVD player.
TOOLS	Press to display and select items from option menus for DVD player, etc.
13 **MENU**	Press to display the menu of the receiver of a DVD player, TV, etc.
14 **CATEGORY +/–**	Press to select the category for XM Radio.
ALBUM +/–	Press to replay the previous scene or fast forward the current scene of the VCR or DVD player.
15 **◀◀ /▶▶** **■** **II** **▷** b) **I◀◀ /▶▶I**	Press to operate the DVD player, CD player, MD deck or tape deck, etc.
CATEGORY MODE	Press to select the category mode for XM Radio.
TUNING +/–	Press to selest station.
16 **PRESET + b)/–**	Press to register FM/AM/XM Radio stations or to select preset stations.
TV CH +/ –	Press TV (28) and then press TV CH+/– to operate the TV, satellite tuner, VCR, etc.
17 **F1/F2**	Press TV (28) and then press F1 or F2 to select a component to operate. • HDD recorder F1: HDD F2: DVD • DVD/VHS combo player F1: DVD F2: VHS
TV/VIDEO	Press TV/VIDEO and TV (28) atthe same time to select the input signal (TV input or video input).
WIDE	Press to select the wide picture mode.
MACRO1, MACRO2	Press RECEIVER (4) and then press MACRO 1 or MACRO 2 to set up the macro function.

Name	Function
18 **TOP MENU**	Press to display the menu or on-screen guide of the DVD player on the TV screen. Then use ↑/↓/←/→ and ⊕ to perform menu operations.
MENU	Press to display the menus of the DVD player on the TV screen. Then use ↑/↓/←/→ and ⊕ to perform a menu operations.
NIGHT MODE	Press RECEIVER (4) and then press NIGHT MODE to activate the NIGHT MODE function.
INPUT MODE	Press RECEIVER (4) and then press INPUT MODE to select the input mode when the same components are connected to both digital and analog jacks.
19 **MUTING**	Press to silence the sound.
20 **MASTER VOL + b)/–**	Press to adjust the volume level of all speakers at the same time.
TV VOL +/–	Press TV (28) and then press TV VOL +/– to adjust the volume level of the TV.
21 **DISC SKIP**	Press to skip a disc when using a multi-disc changer.
22 **RETURN/ EXIT ↶**	Press to return to the previous menu or exit the menu while the menu or on-screen guide of the VCR, DVD player, or satellite tuner is displayed on the TV screen.
23 **ON SCREEN**	Press to turn the GUI display mode on or off. Press MENU (13) to display the menu when "GUI ON" appears on the display.
24 **CLEAR**	Press to – clear a mistake when you press the incorrect numeric button. – return to continuous playback, etc. of the satellite tuner or DVD player.
>10	Press to select – track numbers over 10 of the VCR, satellite tuner, CD player or MD deck. – channel numbers of the Digital CATV terminal.
D.TUNING	Press to enter direct tuning mode.
25 **A .DIRE CT**	Press SHIFT (27) then press A.DIRECT to switch the audio of the selected input to analog signal without any adjustment.
2CH	Press to select sound filed.
26 **SLEEP**	Press SHIFT (27) then press SLEEP to activate the Sleep Timer function and the duration which the receiver turns off automatically.
A.F.D	Press to select sound filed.
27 **SHIFT**	Press to light up the button. It changes the remote button function to activate the buttons with pink printing.
28 **TV**	Press to enable the TV operation.
29 **RM SET UP**	Press to set up the remote.

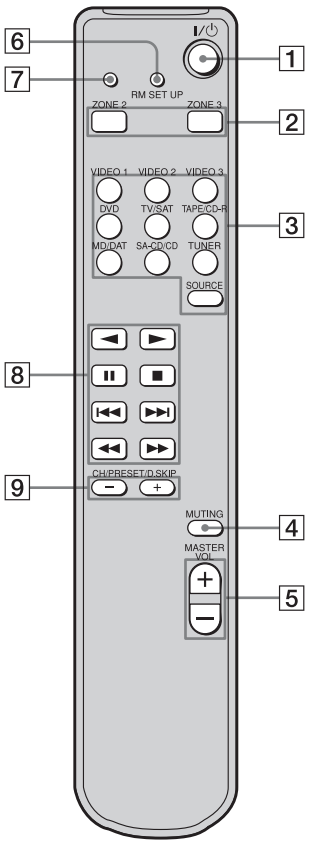
b) The tactile dot is attached to these buttons (▷, PRESET+). Use as a mark of operation.

Notes

- Some functions explained in this section may not work depending on the model.
- The above explanation is intended to serve as an example only. Therefore, depending on the component, the above operation may not be possible or may operate differently than described.

RM-AAU009

This remote is only for zone 2/zone 3 operations. You cannot control the main receiver directly with this remote.



Operating the main receiver from zone 2

Name	Function
1 **I/⏻ (on/standby)**	Press to turn a receiver in zone 2 or zone 3 on or off.
2 **Command mode buttons**	Press to select the command mode of the remote.
3 **Input buttons**	Press one of the buttons to select the component you want to use. When you press any of the input buttons, the receiver turns on. The buttons are factory assigned to control Sony components as follows.

Button	Assigned Sony component
VIDEO 1	VCR (VTR mode 3)
VIDEO 2	VCR (VTR mode 1)
VIDEO 3	VCR (VTR mode 2)
DVD	DVD player
TV/SAT	TV tuner
TAPE/ CD-R	Tape deck B
MD/DAT	MD deck
SA-CD/CD	Super Audio CD/CD player
TUNER*	Built-in tuner
SOURCE	The current input selected for the main receiver

* The setting cannot be changed.

4 **MUTING**	Press to mute the sound.
5 **MASTER VOL +/–**	Press to adjust the volume level for multi zone output.
6 **RM SET UP**	Press to change the category of the buttons.
7 **RM SET UP indicator**	Lights up when data is being sent or when the remote button assignment is being preset.

Operating the components connected to the main receiver from zone 2 or zone 3

Name	Function
8 **Operation buttons***	The following table describes the function of the buttons.

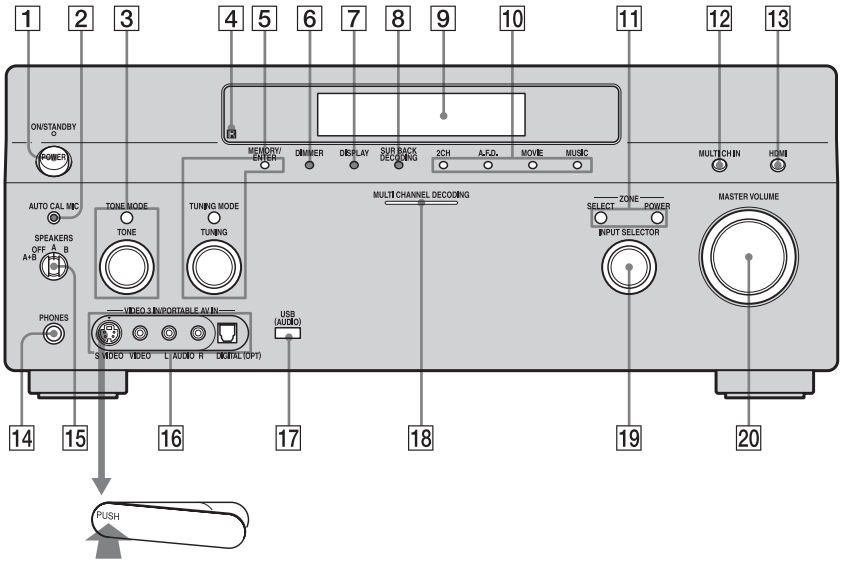
Button(s)	Function
►	Starts play. (Starts play on the front side of the cassette.)
◄	Starts play on the reverse side of the cassette.
II	Pauses play or recording, and starts recording when the component is in recording standby.
■	Stops play.
I◄◄ /►►I	Skips tracks.
◄◄/►►	Go backward/forward.

9 **CH/ PRESET/ D.SKIP +/–***	Press repeatedly to select a preset station or channel. When using a multi-disc changer, press to skip a disc.

* The function of these buttons switches automatically each time you press the input buttons 3. The above explanation is intended to serve as an example only. Therefore, depending on the component, the above operation may not be possible or may operate differently than described.

Description and location of parts (AEP and UK models)

Front panel



To remove the cover

Press PUSH.

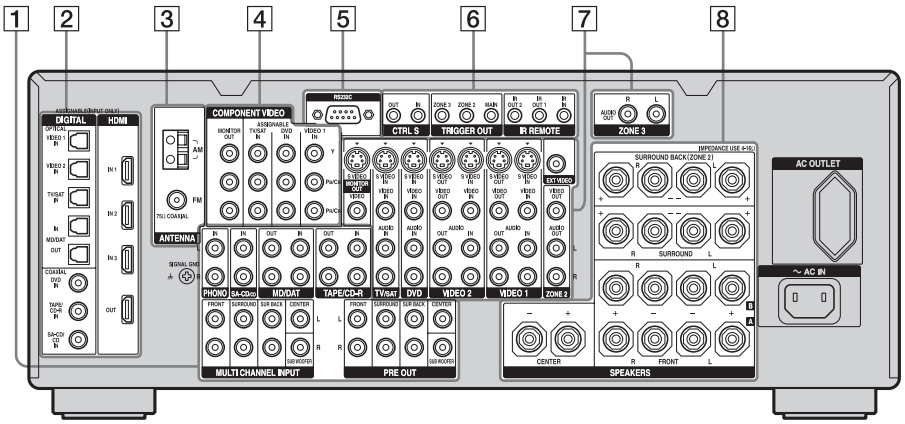
When you remove the cover, keep it out of reach from children.

Name	Function
1 **POWER**	Press to turn the receiver on or off.
2 **AUTO CAL MIC jack**	Connects to the supplied optimizer microphone for the Digital Cinema Auto Calibration function.
3 **TONE MODE** / **TONE**	Adjusts FRONT BASS and FRONT TREBLE. Press TONE MODE repeatedly to select BASS or TREBLE, then turn TONE to adjust the level.
4 **Remote sensor**	Receives signals from remote commander.
5 **MEMORY/ ENTER** / **TUNING MODE** / **TUNING**	Press to operate a tuner (FM/AM).
6 **DIMMER**	Press to adjust brightness of the display.

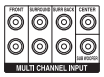
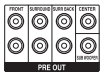
Name	Function
7 **DISPLAY**	Press to select information displayed on the display.
8 **SUR BACK DECODING**	Press to activate SB Decoding.
9 **Display window**	The current status of the selected component or a list of selectable items appears here.
10 **2CH** / **A.F.D.** / **MOVIE** / **MUSIC**	Press to select sound field.
11 **POWER** / **SELECT**	Press SELECT repeatedly to select zone 2 or zone 3, then press POWER to output signals to the selected zone.
12 **MULTI CH IN**	Press to select the audio input signal from the component connected to the MULTI CHANNEL INPUT jack.

Name	Function
13 **HDMI**	Press to select input source from the component connected to the HDMI IN jack.
14 **PHONES jack**	Connects to headphones.
15 **SPEAKERS (OFF/A/B/A+B)**	Switch to OFF, A, B, A+B of the front speakers.
16 **VIDEO 3 IN/ PORTABLE AV IN jacks**	Connect to a portable audio/video component such as a camcorder or video game.
17 **USB (AUDIO) jack**	Connects to a portable audio product with a USB jack.
18 **MULTI CHANNEL DECODING lamp**	Lights up when multi-channel audio signals are decoded.
19 **INPUT SELECTOR**	Turn to select the input source to play back.
20 **MASTER VOLUME**	Turn to adjust the volume level of all speakers at the same time.

Rear panel



1 AUDIO INPUT/OUTPUT section

	AUDIO IN/ OUT jacks	Connect to a tape deck, MD deck or DAT player, etc.
	MULTI CHANNEL INPUT jacks	Connect to a Super Audio CD player or DVD player with an analog audio jack for 7.1 channel or 5.1 channel sound.
	PRE OUT jacks	Connect to an external power amplifier.

2 DIGITAL INPUT/OUTPUT section

	OPTICAL IN/ OUT jacks	Connects to a DVD player, Super Audio CD player, etc. The COAXIAL jack provides a better quality sound.
	COAXIAL IN jacks	
	HDMI IN/OUT jacks	Connects to a DVD player, or a satellite tuner. An image and the sound are output to TV or a projector.

3 ANTENNA section

	FM ANTENNA jack	Connects to the FM wire antenna (aerial) supplied with this receiver.
	AM ANTENNA jack	Connects to the AM loop antenna (aerial) supplied with this receiver.

4 COMPONENT VIDEO INPUT/ OUTPUT section

	COMPONENT VIDEO (Y, P_B/C_B, P_R/C_R) INPUT/ OUTPUT jacks*	Connect to a DVD player, TV, or a satellite tuner.

5 RS-232C jack

		Used for maintenance and service.

6 Control jack for Sony equipment and other external components

	CTRL S IN/ OUT jacks	Connects to Sony TV, DVD player or VCR with CONTROL S jack.
	TRIGGER OUT jacks	Connects to interlock on/off of the power supply of other 12V TRIGGER compliant components, or the amplifier/receiver of zone 2 or zone 3.
	IR REMOTE IN/OUT jacks	Connects an IR repeater.

7 VIDEO/AUDIO INPUT/OUTPUT section

	AUDIO IN/ OUT jacks	Connects to a VCR or a DVD player etc.
	VIDEO IN/ OUT jacks*	
	S VIDEO IN/ OUT jacks*	
	AUDIO IN/ OUT jack VIDEO IN/ OUT jacks	Connects to the component in zone 2 or zone 3.
	VIDEO IN jack	Connects to the component when you want to watch in PIP (Picture in Picture) window.

8 SPEAKERS section

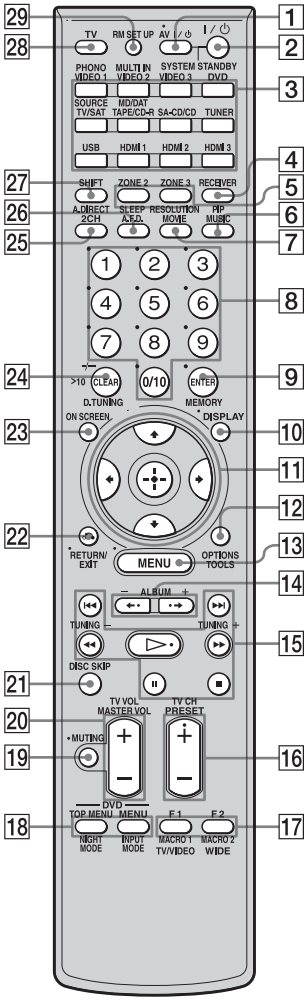
		Connects to speakers.

* You can watch the selected input image when you connect the MONITOR OUT jack to a TV. You can operate this receiver using a GUI (Graphical User Interface).

Remote commander

You can use the supplied remote RM-AAL006 to operate the receiver and to control the Sony audio/video components that the remote is assigned to operate.

RM-AAL006



Name	Function
1 **AV I/⏻ (on/ standby)**	Press to turn on or off the audio/video components that the remote is assigned to operate. If you press the **I**/⏻ (2) at the same time, it will turn off the receiver and other Sony components (SYSTEM STANDBY). **Note** The function of the AV **I**/⏻ switch changes automatically each time you press the input button (3).
2 **I/⏻ (on/ standby)**	Press to turn the receiver on or off. If ZONE 2 or ZONE 3 is selected, only the main receiver is turned on or off with this button. To turn off all components including an amplifier in zone 2 or zone amplifier in zone 2 or zone 3, press **I**/⏻ and AV **I**/⏻ (1) at the same time (SYSTEM STANDBY).
3 **Input buttons**	Press one of the buttons to select the component you want to use. Press a pink-labeled button after pressing SHIFT (27). When you press any of the input buttons, the receiver turns on. The buttons are factory assigned to control Sony components. You can program the remote to control non-Sony components following the steps in “Programming the “Programming the remote”.
4 **RECEIVER**	Press to enable the receiver operation.
5 **ZONE 2 ZONE 3**	Press to enable the zone 2/zone 3 operation.
6 **PIP**	Press SHIFT (27), then press PIP to switchthe image of the PIP (Picture in Picture) window. The image will be changed as follows. EXT VIDEO → ZONE 2 VIDEO → OFF. You can also change the size of the PIP window by pressing ↑/↓. **Note** The HDMI video signals are not output while the PIP window is displayed.
MUSIC	Press to select sound field.
7 **RESOLUTION**	Press SHIFT (27) then press RESOLUTION repeatedly to change the resolution of signals output from the HDMI OUT or COMPONENT VIDEO MONITOR OUT jack.
MOVIE	Press to select sound field.
8 **Numeric buttons**	Press to – preset/tune to preset stations. – select track numbers of the CD player, DVD player or MD deck. Press 0/10 to select track number 10. – select channel numbers of the VCR or satellite tuner. – After pressing TV (28), press the numeric buttons to select the TV channels.
9 **ENTER**	Press to enter the value after selecting a channel, disc or track using the numeric buttons.
MEMORY	Press to store a station during tuner operation.
10 **DISPLAY**	Press to select information displayed on the display window, TV screen of the VCR, satellite tuner, CD player, DVD player, or MD deck.
11 ↑/↓/←/→	After pressing MENU (13) or TOP MENU (18), press ↑/↓, ← or → to select the settings. Then press ⊕ to enter the selection.
12 **OPTIONS**	Press to display and select items from option menus for receiver and DVD player.
TOOLS	Press to display and select items from the option menus for DVD player, etc.
13 **MENU**	Press to display the menu of the receiver of a DVD player, TV, etc.
14 **ALBUM +/–**	Press to replay the previous scene or fast forward the current scene of the VCR or DVD player.
15 **◀◀/▶▶** a) **■** a) **II** a) **▷** b) **I◀◀/▶▶I** a)	Press to operate the DVD player, CD player, MD deck or tape deck, etc.
TUNING +/–	Press to selest station.
16 **PRESET + b)/–**	Press to register FM/AM Radio stations or to select preset stations.
TV CH +/–	Press TV (28) and then press TV CH+/– to operate the TV, satellite tuner, VCR, etc.
17 **F1/F2**	Press TV (28) and then press F1 or F2 to select a component to operate. • HDD recorder F1: HDD F2: DVD • DVD/VHS combo player F1: DVD F2: VHS
TV/VIDEO	Press TV/VIDEO and TV (28) at the same at the same time to select the input signal (TV input or video input).
WIDE	Press to select the wide picture mode.
MACRO1, MACRO2	Press RECEIVER (4) and then press MACRO 1 or MACRO 2 to set up the macro function.
18 **TOP MENU**	Press to display the menu or on-screen guide of the DVD player on the TV screen. Then use ↑/↓/←/→ and ⊕ to perform menu operations.
MENU	Press to display the menus of the DVD player on the TV screen. Then use ↑/↓/←/→ and ⊕ to perform a menu operations.
NIGHT MODE	Press RECEIVER (4) and then press NIGHT MODE to activate the NIGHT MODE function.
INPUT MODE	Press RECEIVER (4) and then press INPUT MODE to select the input mode when the same components are connected to both digital and analog jacks.
19 **MUTING**	Press to silence the sound.
20 **MASTER VOL + b)/–**	Press to adjust the volume level of all speakers at the same time.
TV VOL +/–	Press TV (28) and then press TV VOL +/– to adjust the volume level of the TV.
21 **DISC SKIP**	Press to skip a disc when using a multi-disc changer.
22 **RETURN/ EXIT ↶**	Press to return to the previous menu or exit the menu while the menu or on-screen guide of the VCR, DVD player, or satellite tuner is displayed on the TV screen.
23 **ON SCREEN**	Press to turn the GUI display mode on or off. Press MENU (13) to display the menu when “GUI ON” appears on the display.
24 **CLEAR**	Press to – clear a mistake when you press the incorrect numeric button. – return to continuous playback, etc. of the satellite tuner or DVD player.
>10	Press to select – track numbers over 10 of the VCR, satellite tuner, CD player or MD deck. – channel numbers of the Digital CATV terminal.
D.TUNING	Press to enter direct tuning mode.
25 **A.DIRECT**	Press SHIFT (27) then press A.DIRECT to switch the audio of the selected input to analog signal without any adjustment.
2CH	Press to select sound filed.
26 **SLEEP**	Press SHIFT (27) then press SLEEP to activate the Sleep Timer function and the duration which the receiver turns off automatically.
A.F.D	Press to select sound filed.
27 **SHIFT**	Press to light up the button. It changes the changes the remote button function to activate the buttons with pink printing.
28 **TV**	Press to enable the TV operation.
29 **RM SET UP**	Press to set up the remote.

a) See the table on page111 for information on the buttons that you can use to control each component.

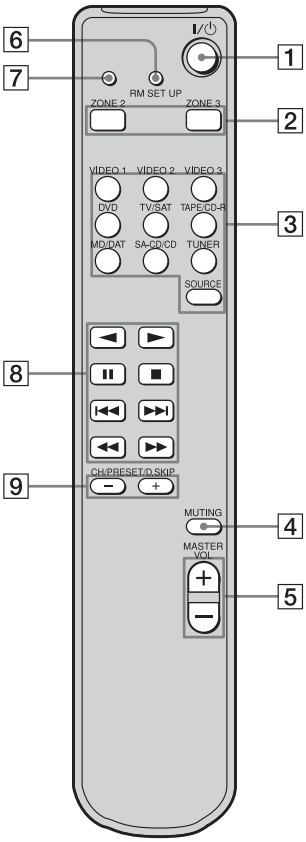
b) The tactile dot is attached to these buttons (▷, PRESET+). Use as a mark of operation.

Notes

- Some functions explained in this section may not work on the model.
- The above explanation is intended to serve as an example only. Therefore, depending on the component, the above operation may not be possible or may operate differently than described.

RM-AAU009

This remote is only for zone 2/zone 3 operations. You cannot control the main receiver directly with this remote.



Operating the main receiver from zone 2

Name	Function
1 **I/⏻ (on/standby)**	Press to turn a receiver in zone 2 or zone 3 on or off.
2 **Command mode buttons**	Press to select the command mode of the remote.
3 **Input buttons**	Press one of the buttons to select the component you want to use. When you press any of the input buttons, the receiver turns on. The buttons are factory assigned to control Sony components as follows.

Button	Assigned Sony component
VIDEO 1	VCR (VTR mode 3)
VIDEO 2	VCR (VTR mode 1)
VIDEO 3	VCR (VTR mode 2)
DVD	DVD player
TV/SAT	TV tuner
TAPE/ CD-R	Tape deck B
MD/DAT	MD deck
SA-CD/CD	Super Audio CD/CD player
TUNER*	Built-in tuner
SOURCE	The current input selected for the main receiver

* The setting cannot be changed.

4 **MUTING**	Press to mute the sound.
5 **MASTER VOL +/–**	Press to adjust the volume level for multi zone output.
6 **RM SET UP**	Press to change the category of the buttons.
7 **RM SET UP indicator**	Lights up when data is being sent or when the remote button assignment is being preset.

Operating the components connected to the main receiver from zone 2 or zone 3

Name	Function
8 **Operation buttons***	The following table describes the function of the buttons.

Button(s)	Function
►	Starts play. (Starts play on the front side of the cassette.)
◄	Starts play on the reverse side of the cassette.
II	Pauses play or recording, and starts recording when the component is in recording standby.
■	Stops play.
I◄◄/►►I	Skips tracks.
◄◄/►►	Go backward/forward.

9 **CH/ PRESET/ D.SKIP +/–***	Press repeatedly to select a preset station or channel. When using a multi-disc changer, press to skip a disc.

* The function of these buttons switches automatically each time you press the input buttons 3. The above explanation is intended to serve as an example only. Therefore, depending on the component, the above operation may not be possible or may operate differently than described.

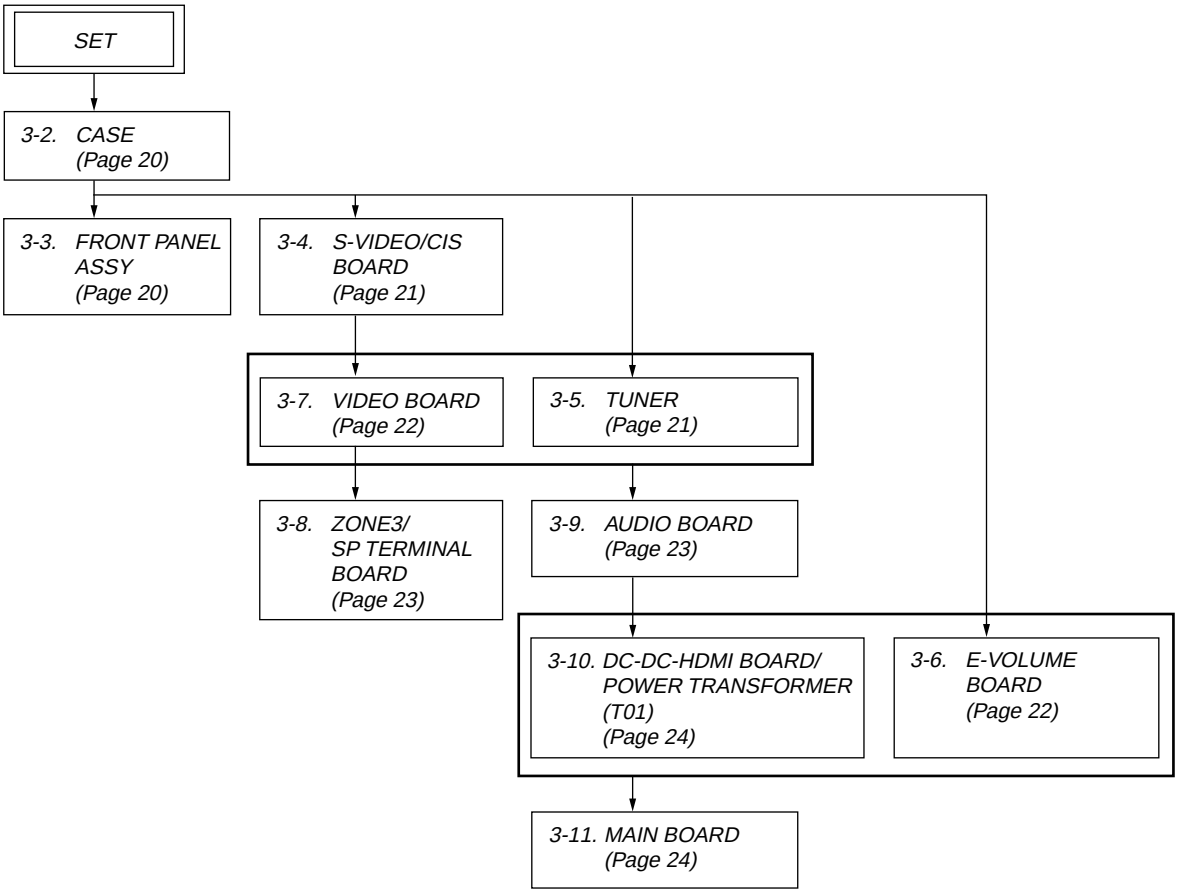
SECTION 3
DISASSEMBLY

- This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

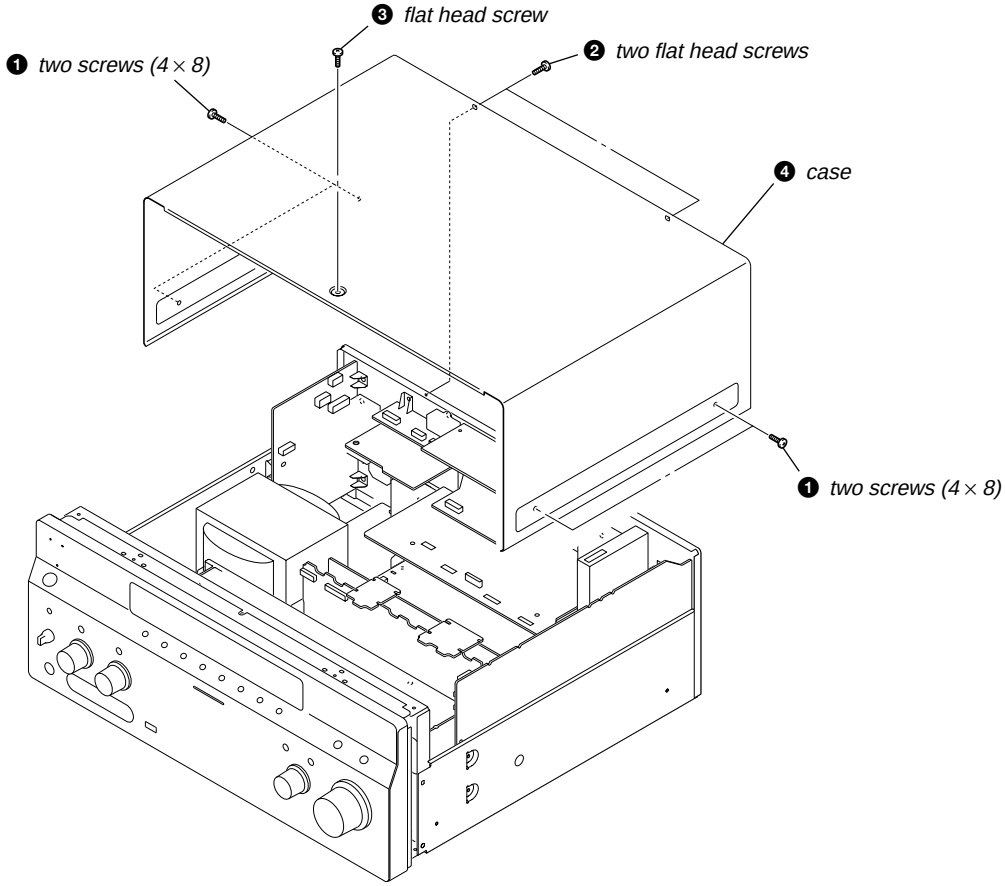
Note 1: *The process described in* ▤ *can be performed in any order.*

Note 2: *Without completing the process described in* ▤*, the next process can not be performed.*

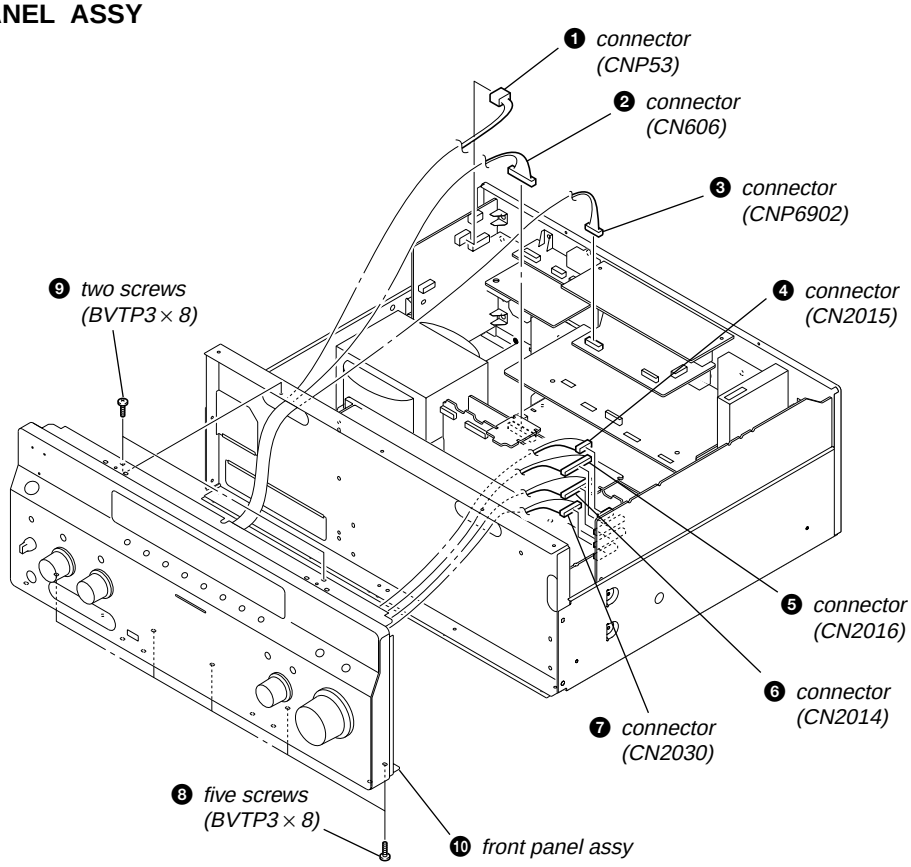


Note: Follow the disassembly procedure in the numerical order given.

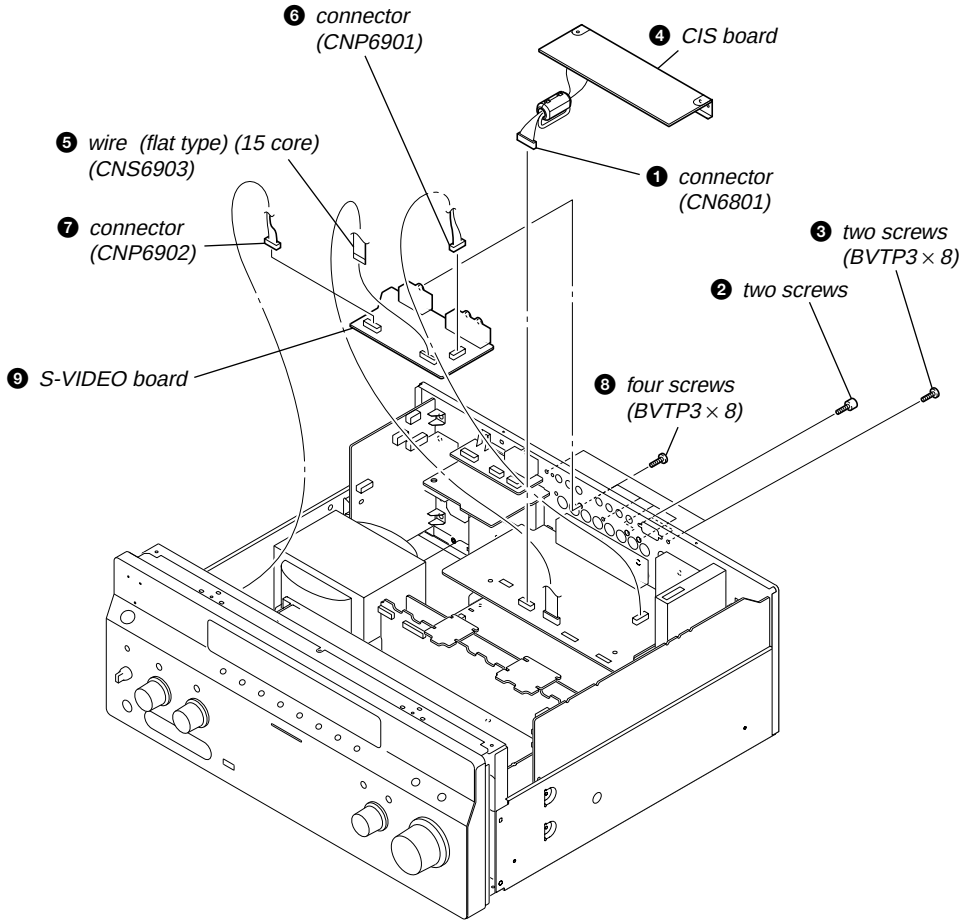
3-2. CASE



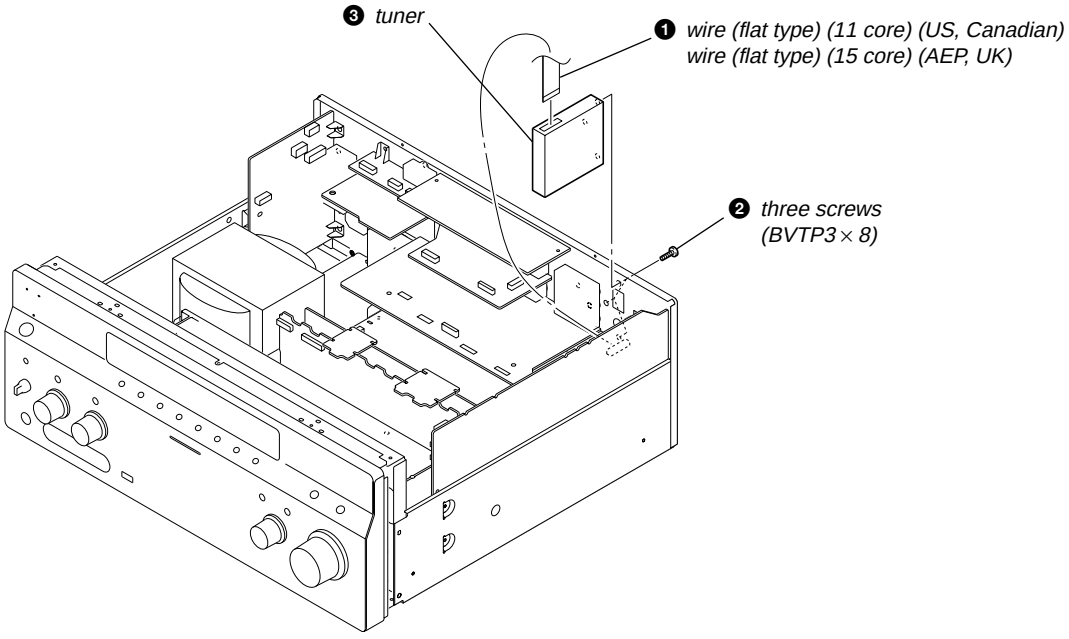
3-3. FRONT PANEL ASSY



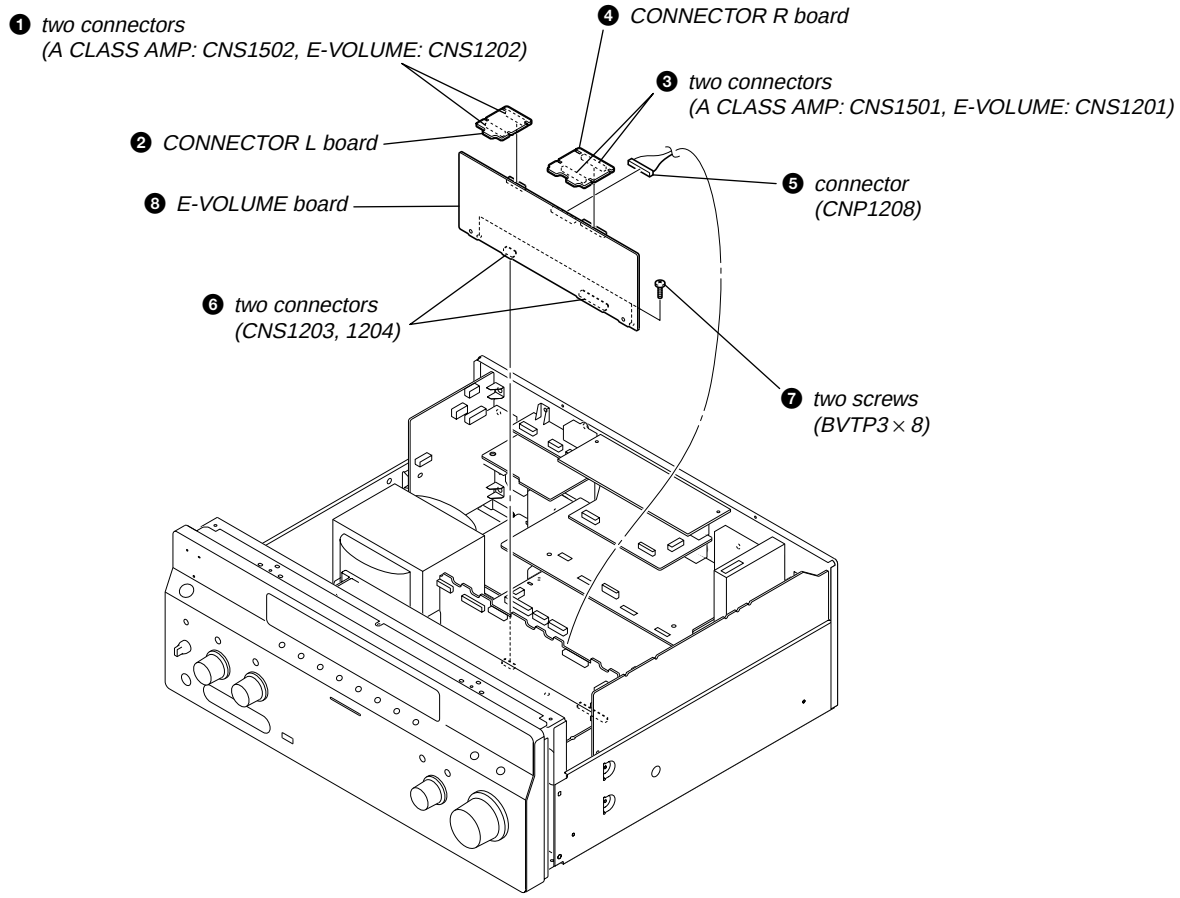
3-4. S-VIDEO/CIS BOARD



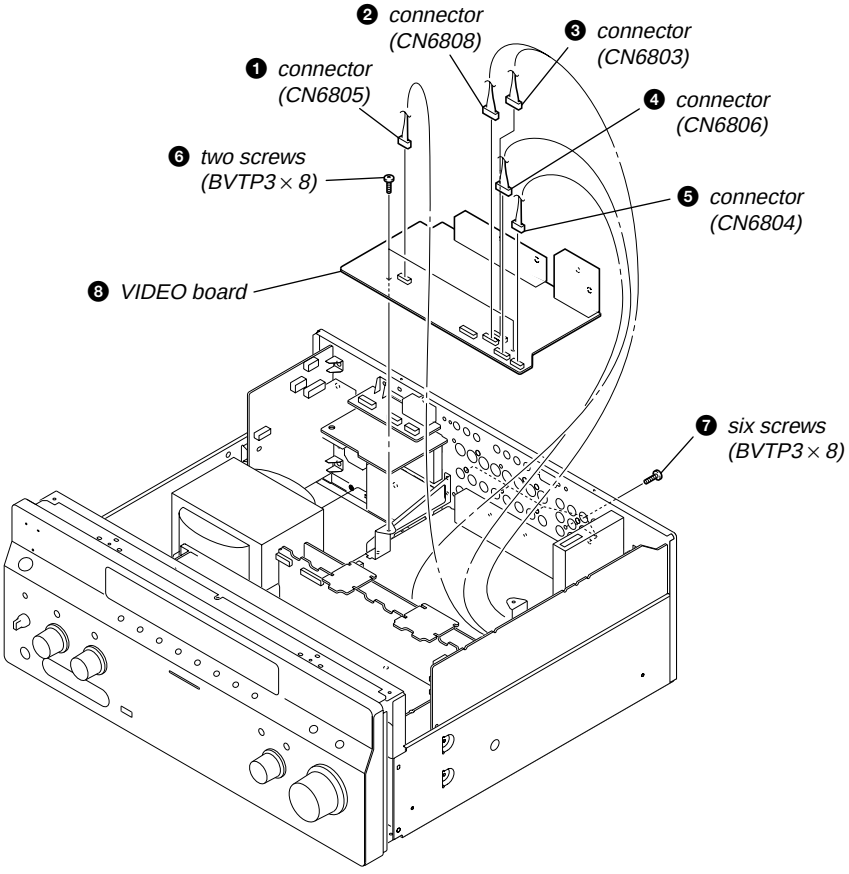
3-5. TUNER



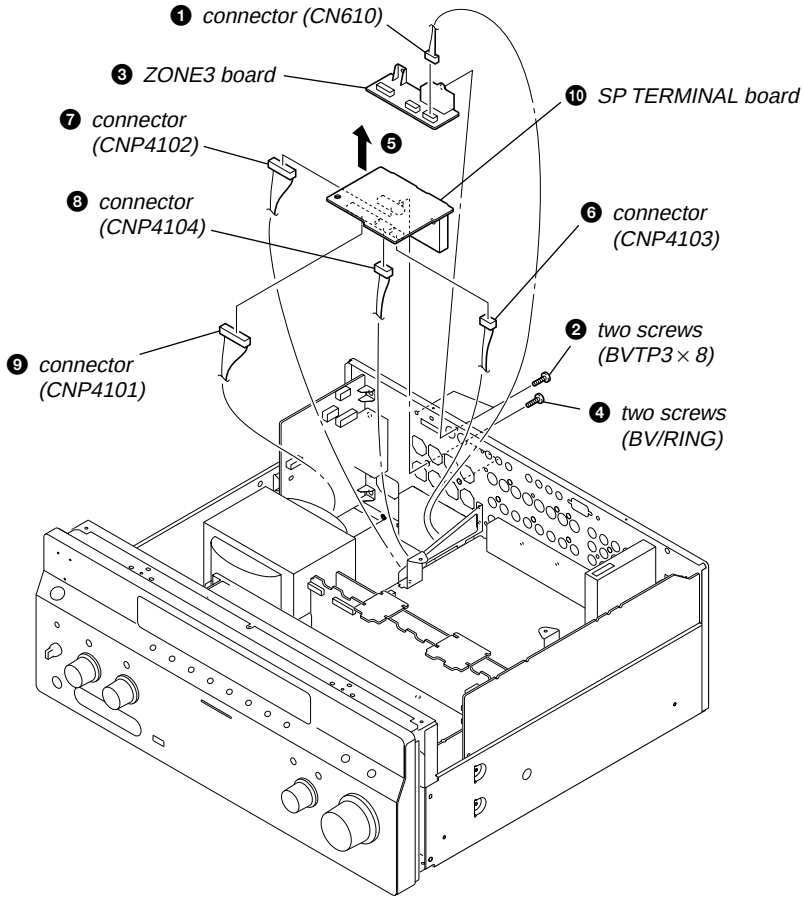
3-6. E-VOLUME BOARD



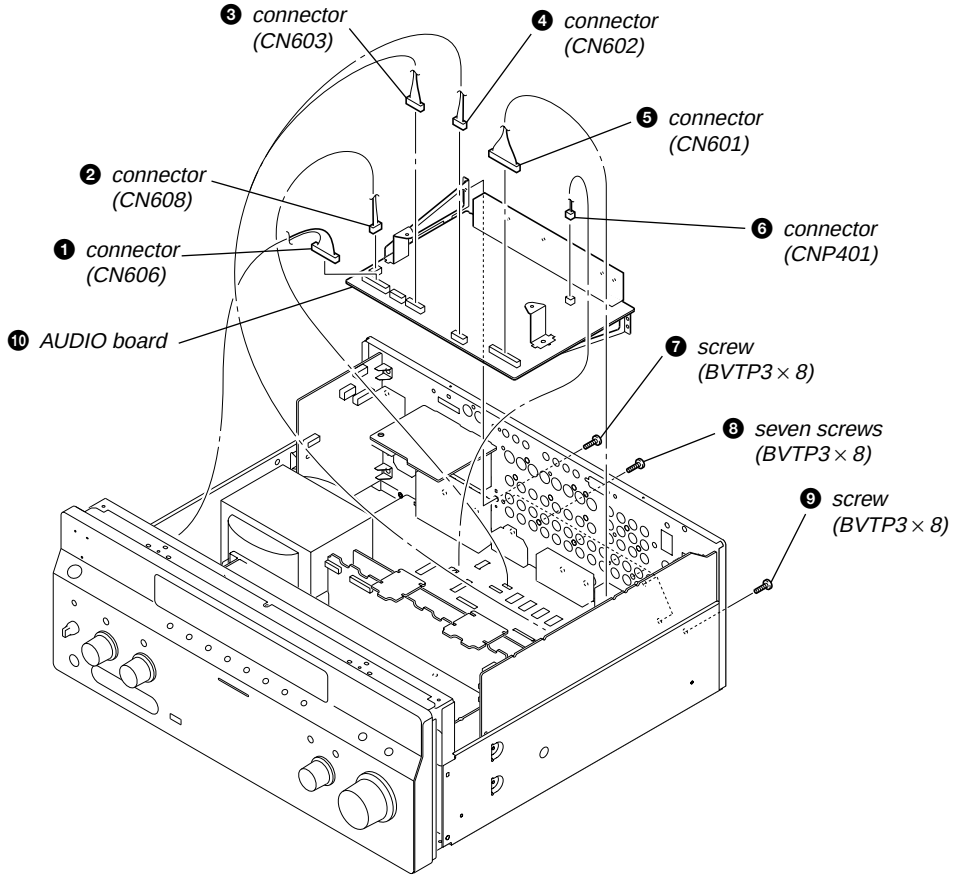
3-7. VIDEO BOARD



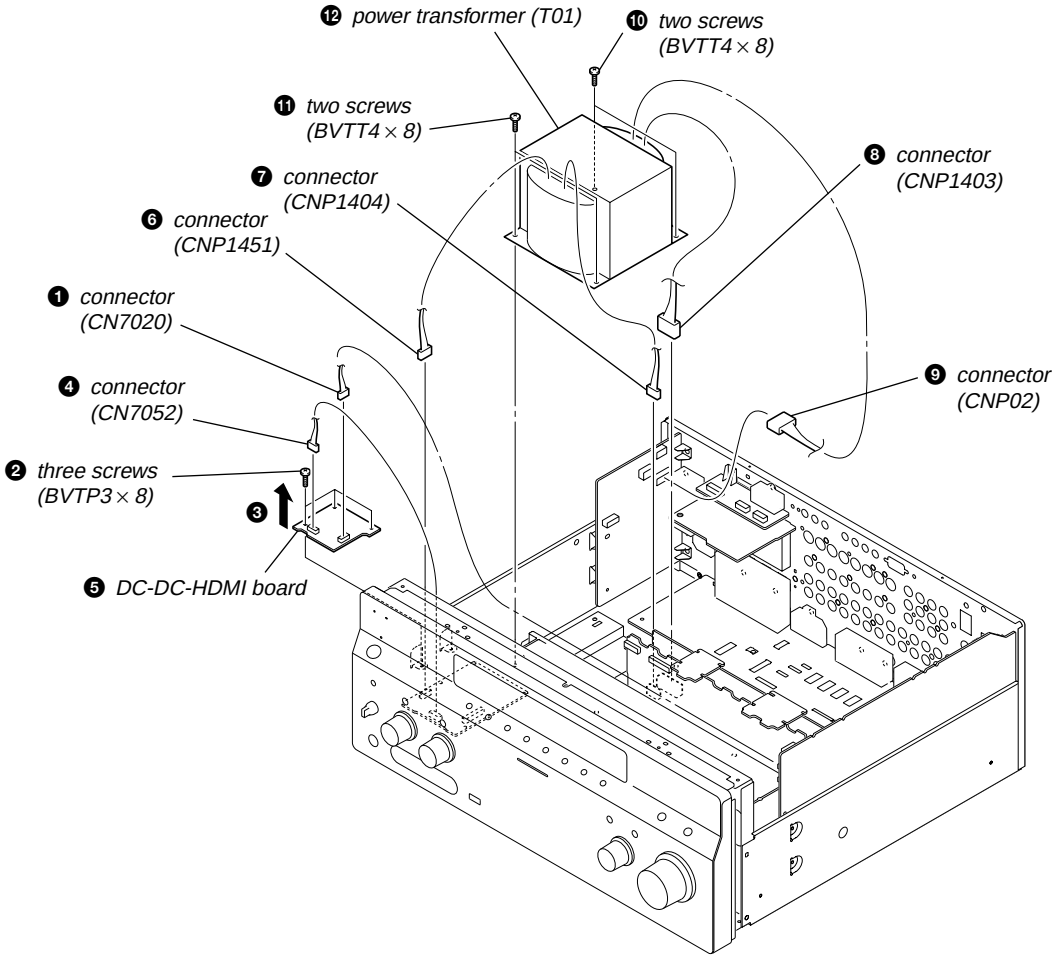
3-8. ZONE3/SP TERMINAL BOARD



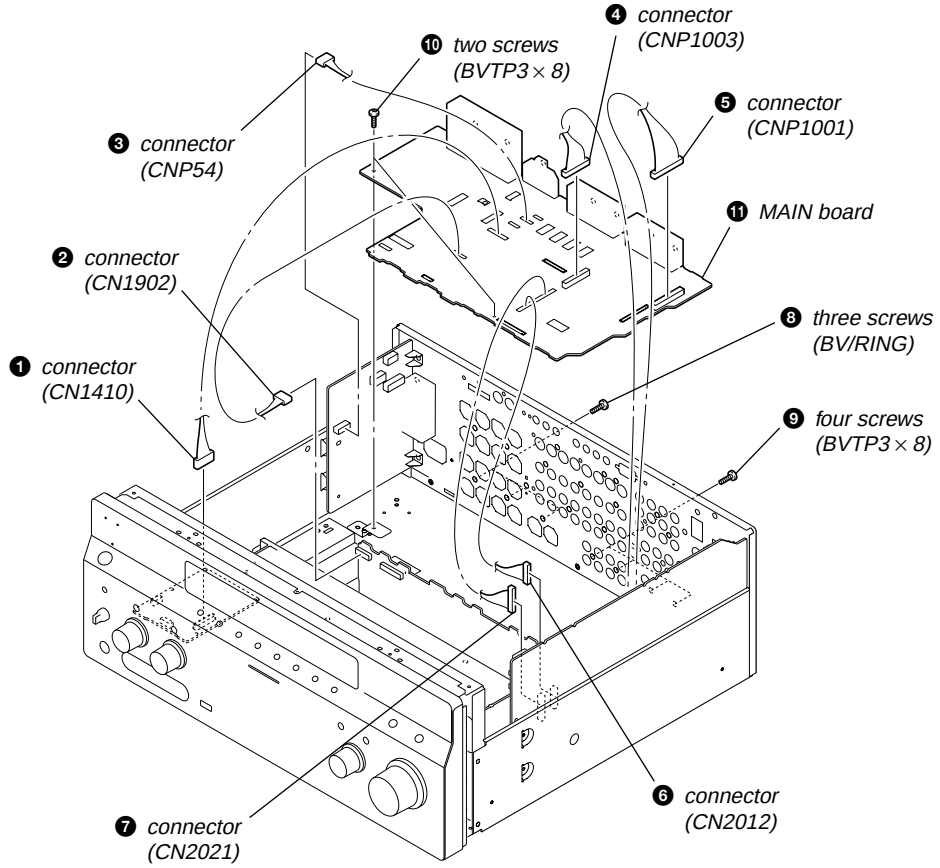
3-9. AUDIO BOARD



3-10. DC-DC-HDMI BOARD/POWER TRANSFORMER (T01)



3-11. MAIN BOARD



SECTION 4
TEST MODE

TUNER FACTORY PRESET MODE

All preset contents are reset to the default setting.

Procedure:

1. While pressing the [2CH] and [TUNING MODE] buttons, press the [POWER] button to turn on the main power.
2. The message "Factory Preset" appears and the present contents are reset to the default values.

MEMORY CLEARING MODE

All preset contents are cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the [TONE MODE] and [MULTI CH IN] buttons, press the [POWER] button to turn on the main power.
2. The message "MEMORY CLEARING..." appears and the memories are reset to the default values.
3. When done, the message "MEMORY CLEARED !" appears.

SWAP MODE

Procedure:

1. While pressing the [2CH] and [MULTI CH IN] buttons, press the [POWER] button to turn on the main power.
2. The message "SWAP MODE !" appears.

FLUORESCENT INDICATOR TUBE PATTERN CHECK MODE

All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

Procedure:

1. While pressing the [MOVIE] and [MULTI CH IN] buttons, press the [POWER] button to turn on the main power.
2. All segments and all LEDs turn on.

SOUND FIELD CLEAR MODE

The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the [MUSIC] button, press the [POWER] button to turn on the main power.
2. The message "S. F. Initialize" appears and initialization is performed.

TUNER AM STEP CHANGE (9 kHz/10 kHz) MODE (US AND CANADIAN MODELS)

Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.

Procedure:

1. While pressing the [TUNING MODE] button, press the [POWER] button to turn on the main power.
2. Either the message "AM 9kHz Step" or "AM 10kHz Step" appears, Select the desired step.

COMMAND MODE CHANGE MODE

The command mode of the remote-commander which this set receives can be changed.

Procedure:

1. While pressing the [2CH] button, press the [POWER] button to turn on the main power.
2. Either the message "COMMAND MODE [AV1]" or "COMMAND MODE [AV2]" appears. Select the desired mode.

SF LOCK ON/OFF CHANGE MODE

Procedure:

1. While pressing the [MUSIC] and [MULTI CH IN] buttons, press the [POWER] button to turn on the main power.
2. Either the message "OFF" or "ON" appears.

RDS AUTOBETICAL MODE (AEP AND UK MODELS)

Procedure:

1. While pressing the [MEMORY/ENTER] button, press the [POWER] button to turn on the main power.
2. The message "Autobetical Select" appers and scans and stores all the FM and FM RDS station in the broadcast area.

XM FACTORY TEST MODE (US AND CANADIAN MODELS)

Mode to confirm operation of XM. Doing display of ID of XM antenna and output of audio signal that XM antenna generates, it is confirmed that there are no probrems in the communication of the XM antenna and the tranmission of the audio signal.

Procedure:

1. The XM antenna was connected, while pressing the [CATEGORY –] and [MEMORY/ENTER] buttons, press the [POWER] button to turn on the main power.
2. Whenever the [DISPLAY] button is pressed, the output of the audio signal of 1 kHz L/R, 20 Hz L/R, 5 kHz L/R, muting, 1 kHz L and 1kHz R are switched.

SPECIAL MENU MODE

Procedure:

1. Press the [POWER] button to turn on the main power, then while pressing the [TONE MODE] button, press the [A.F.D.], [2CH], [MUSIC], [MOVIE] button in order.
2. The message “MENU SPECIALIZED!” appears.
3. Each time the [↑] [↓] button of the remote commander is pressed, the item is switched in order as follows.
4. To release from this mode, while pressing the [TONE MODE] button, press the [A.F.D.], [2CH], [MUSIC], [MOVIE] button in order again.
5. The message “MENU SPECIALIZED OFF” appears.

Items	Display	Remark
RAM watch menu	XXX	XXX: For monitor of various internal RAM (for design evaluation)
Protector on/off	PROTECTOR ON/OFF [XXX]	XXX: ON or OFF (switching with [↑] [↓] button of the remote commander)
Model version display	##### *** vX. XX @@@@	#####: model ***: destination X.XX: system controller software version @@@@: Sum value of flash memory in the main system controller
Model/destination change	MODEL [##### * * * *] X X	#####: model, ****: destination, XX: at or fx (switching with [↑] [↓] button of the remote commander)
Video Ucom version display	Video Ucom Ver X. XX	X.XX: Video Ucom software version
FAROUDJA version display	FAROUDJA Ver X. XX	X.XX: FAROUDJA (Video Processor) software version
USB Ucom version display	USB Ucom Ver X. XX	X.XX: USB Ucom controller software version
USB LIB version display	USB LIB Ver X. XX	X.XX: USB function control library version
XM TUNER version display	XM Tuner Ver X. XX	X.XX: XM tuner controller software version
FM/AM tuner version display	FM/AM Tuner Ver X. XX	X.XX: FM/AM tuner controller software version
Auto cal mic test	SPEAKER OUT [XXXXX]	XXXXX: Selection of speaker output audio [SOURCE]: nomally mode, [MIC]: mode that output audio from mic from speaker
FL display fonts test	FL FONT 0x ** = [X]	**: 20 to FE, X: character (switching with [↑] [↓] button of the remote commander)
FL display test	ALL ON	Each time DISPLAY button to change as follows. all on → test pattern 1 → test pattern 2 → all off → all on
Audio swap	SWAP [XXXXXXXXXXX]	Switching with [↑] [↓] button of the remote commander
Video factory menu	<VIDEO FACTORY MENU>	Menu mode to enter video calibration menu and DDR access check menu If the [ENTER] button of the remote commander is pressed, entering the menu, and operating two the following menu become possible
Video calibration (Video factory menu)	V.CAL START? N:#, P:@ Please Check V.Input	Procedure: 1. “DVD” is selected. 2. Connect a color pattern generator to the EXT VIDEO VIDEO IN jack (J6905) on the S-VIDEO board, DVD S VIDEO IN jack (J6902) on the S-VIDEO board, COMPONENT VIDEO DVD IN jack (J6102) on the VIDEO board and DVD VIDEO IN jack (J6401) on the VIDEO board. 3. Input 100% color bars signal from the color pattern generator. Menu that measures individual difference of hardness by automatic operation in pressing the [ENTER] button of the remote commander, and corrects reference value. In a measurement once, only one of NTSC/PAL can be measured ”V.CAL START?” at display #: X (NTSC measurement incompletion) or O (NTSC measurement completion) @: X (PAL measurement incompletion) or O (PAL measurement completion) ”Please Check V.Input” at display Video signal necessary for the measurement while measuring it last time was not detected and it became an error Confirm the input of the video of the terminal connection etc. , and measure the [ENTER] button of the remote commander again pressing
DDR access check (Video factory menu)	DDR CHECK [XXX]	XXX: Time to do access check on DDR (for design evaluation)
DSP halt	DSP HALT [XXX]	XXX: ON or OFF (switching with [↑] [↓] button of the remote commander) Mode not to send DSP host code, and to make only decipherment done
DSP RAM	[*****]=XXXXXXXX	Mode that refers to internal RAM of DSP (for design evaluation)

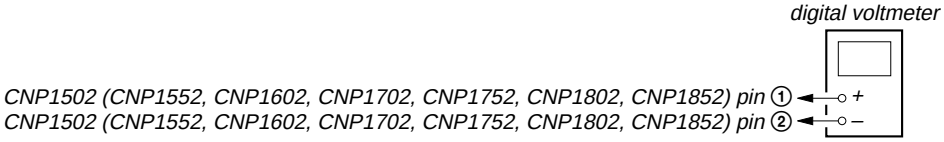
Items	Display	Remark
DSP Version display	DSP Ver S: ***, P: XXX	***: DSP decoder patch version XXX: DSP post process version
Volume value display (FL/FR)	FL**** FR XXXX	****: Front L-ch volume value XXXX: Front R-ch volume value
Volume value display (SL/SR)	SL**** SR XXXX	****: Surround L-ch volume value XXXX: Surround R-ch volume value
Volume value display (CT/SW)	CT**** SW XXXX	****: Center volume value XXXX: Sub woofer R-ch volume value
Volume value display (SBL/SBR)	SBL**** SBR XXXX	****: Surround back L-ch volume value XXXX: Surround back R-ch volume value
DAC mute information disclosure 1	DAC MUTE U XXXXXXXX	Display of module information to demand muting in system controller (for design evaluation)
DAC mute information disclosure 2	DAC MUTE L XXXXXXXX	Display of module information to demand muting in system controller (for design evaluation)
EERROM debug	EEPROM [****] FR XX	****: EEPROM address XX: EEPROM data (switching with ↑↓ button of the remote commander)
Super reset	SUPER RESET [XXX]	Not used for the servicing If super reset is performed, “up convert signal level adjustment” will also be initialized When EEPROM initialization is required, perform the “all clear mode”
2nd volume value display	2nd VOLUME XXX	XXX: 2nd room volume value (00 to ∞)
FL display duty change	DARK OUT DUTY [XXX%]	XXX: Duty value of FL display (0% to 100%) (switching with ↑↓ button of the remote commander)
Stop clock	STOP CLK [XX] [XX] [XX]	Value of register related to clock of system controller display mode (for design evaluation)

SECTION 5
ELECTRICAL ADJUSTMENTS

BIAS ALIGNMENT ADJUSTMENT

Note: Afer 10 minutes or more have passed since the power supply was turned on, this adjustment is done.

Connection:

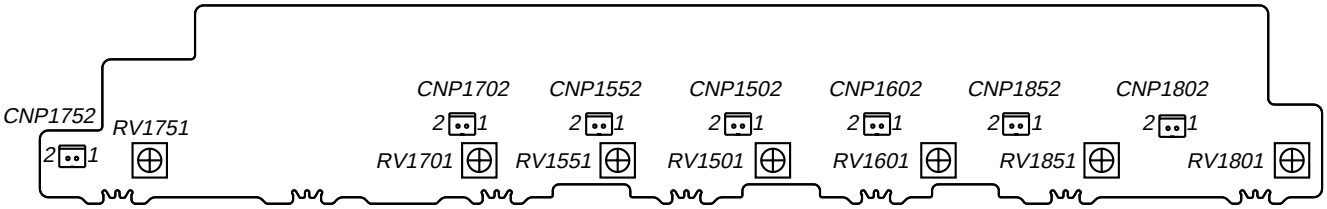


Procedure:

1. Connect a digital voltmeter to the CNP1502 (CNP1552, CNP1602, CNP1702, CNP1752, CNP1802, CNP1852) on the BIAS board.
2. Press the [POWER] button to turn on the main power.
3. Adjust the RV1501 (RV1551, RV1601, RV1701, RV1751, RV1801, RV1851) so that the digital voltmeter reading is 5 mV to 20 mV.

Adjustment and Connection Location:

– BIAS Board (Component Side) –

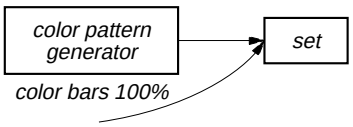


VIDEO CALIBRATION ADJUSTMENT

Adjustment to decide the standard of the video input signal.

Note: After replacing HDMI board, or after "SUPER RESET" of the special menu mode is executed, perform this adjustment.

Connection:



S-VIDEO board EXT VIDEO VIDEO IN jack (J6905)
DVD S VIDEO IN jack (J6902)
VIDEO board COMPONENT VIDEO DVD IN jack (J6102)
DVD VIDEO IN jack (J6401)

Procedure:

1. "DVD" is selected by using [INPUT SELECTOR] jog.
2. Connect a color pattern generator to the EXT VIDEO VIDEO IN jack (J6905) on the S-VIDEO board, DVD S VIDEO IN jack (J6902) on the S-VIDEO board, COMPONENT VIDEO DVD IN jack (J6102) on the VIDEO board and DVD VIDEO IN jack (J6401) on the VIDEO board.
3. Input NTSC color bars signal from the color pattern generator.
4. Press the [POWER] button to turn off the main power
5. While pressing the [TUNING MODE], [MUSIC] and [MULTI CH IN] buttons, press the [POWER] button to turn on the main power. It enters the test mode, and display as below.

   V.CAL START? N:#, P:@

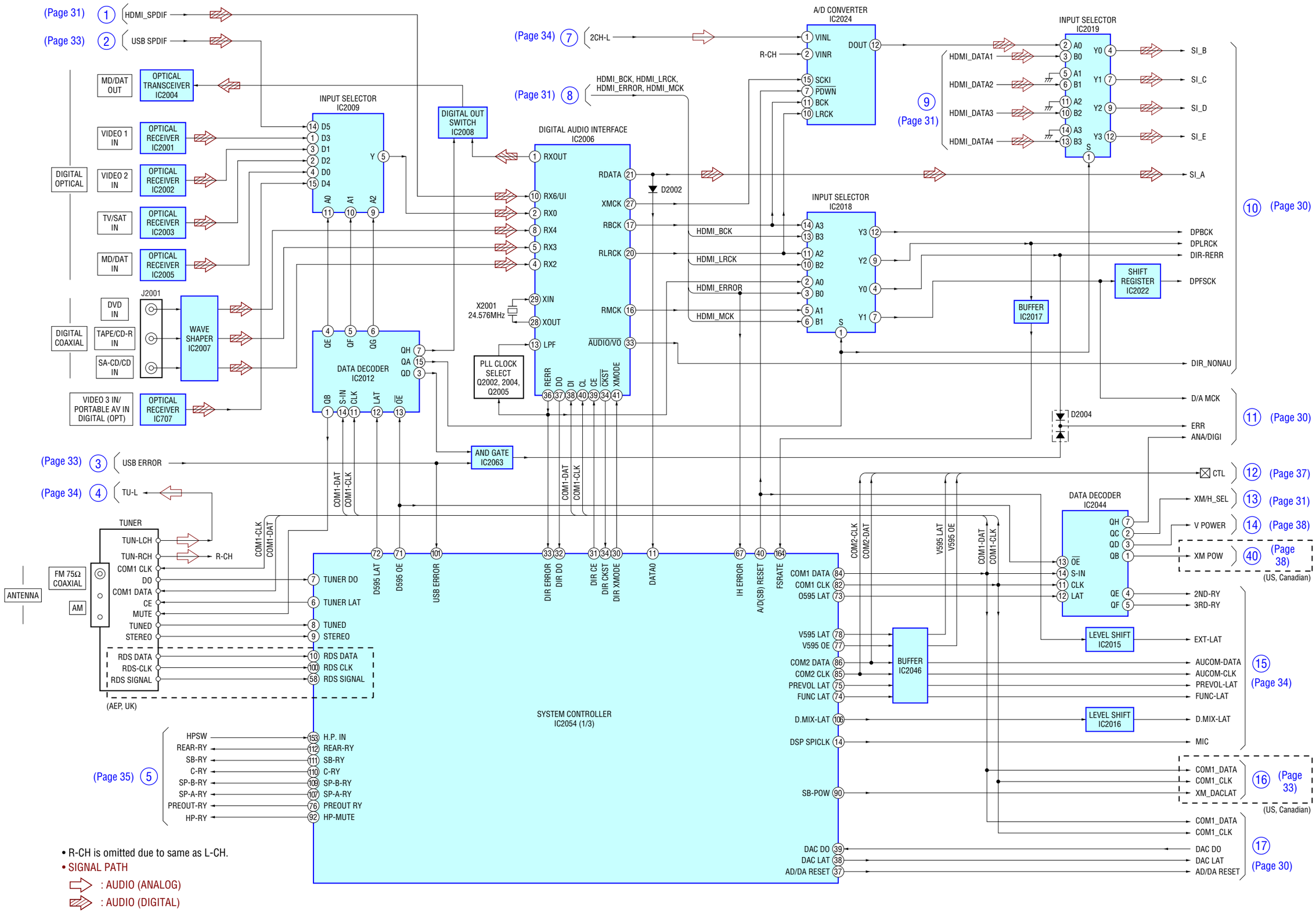
   #: X (NTSC measurement incompletion) or
   O (NTSC measurement completion)
   @: X (PAL measurement incompletion) or
   O (PAL measurement completion)

   When "Please Check V.Input" is displayed, Video signal necessary for the measurement while measuring it last time was not detected and it became an errorConfirm the input of the video of the terminal connection etc., and measure the [MEMORY/ENTER] button again pressing.

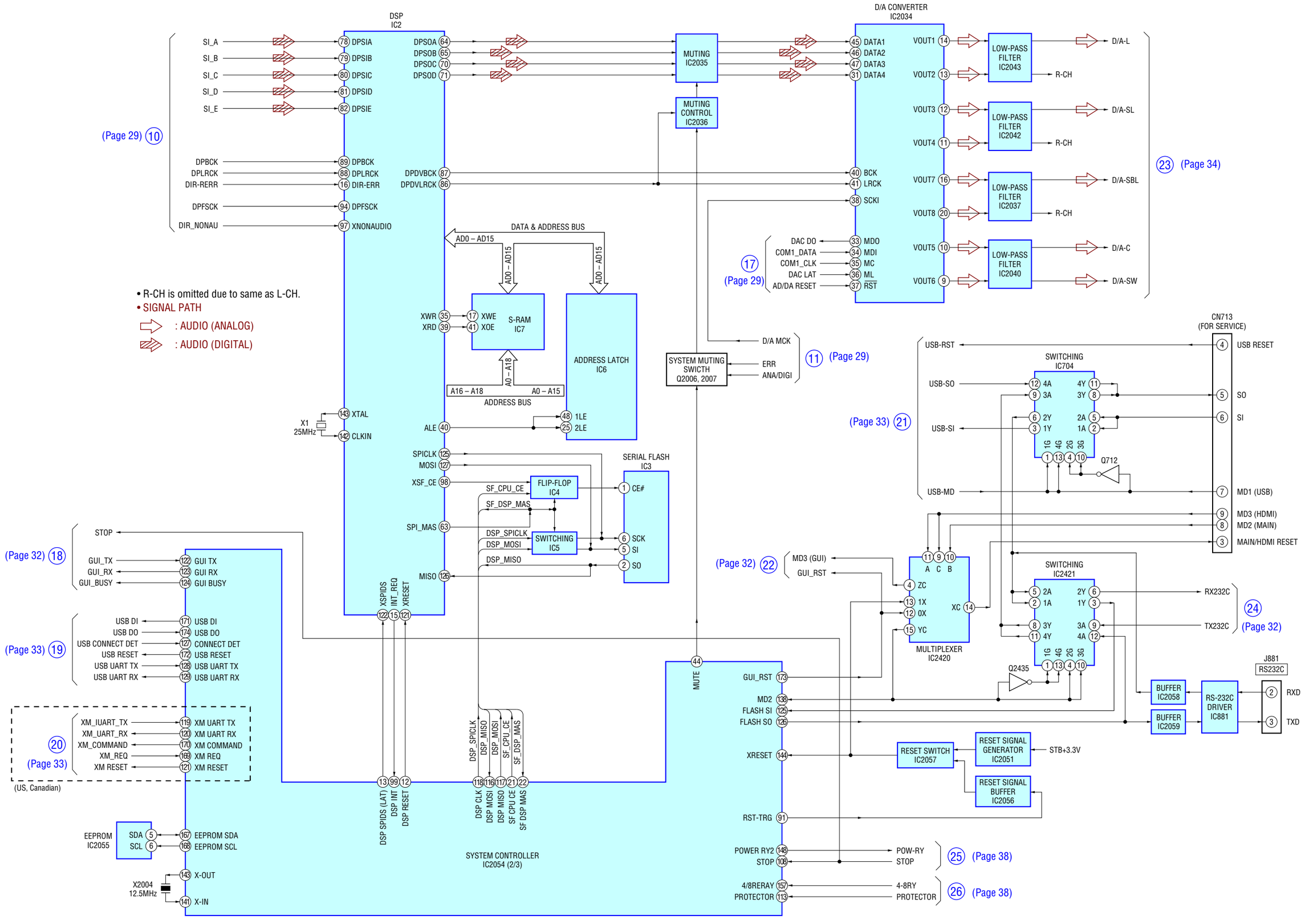
6. When the [MEMORY/ENTER] button is pressed, the adjustment is automatically completed, and result is written in the EEPROM.
7. Input PAL color bars signal from the color pattern generator.
8. Perform step 4 to 6.

SECTION 6
DIAGRAMS

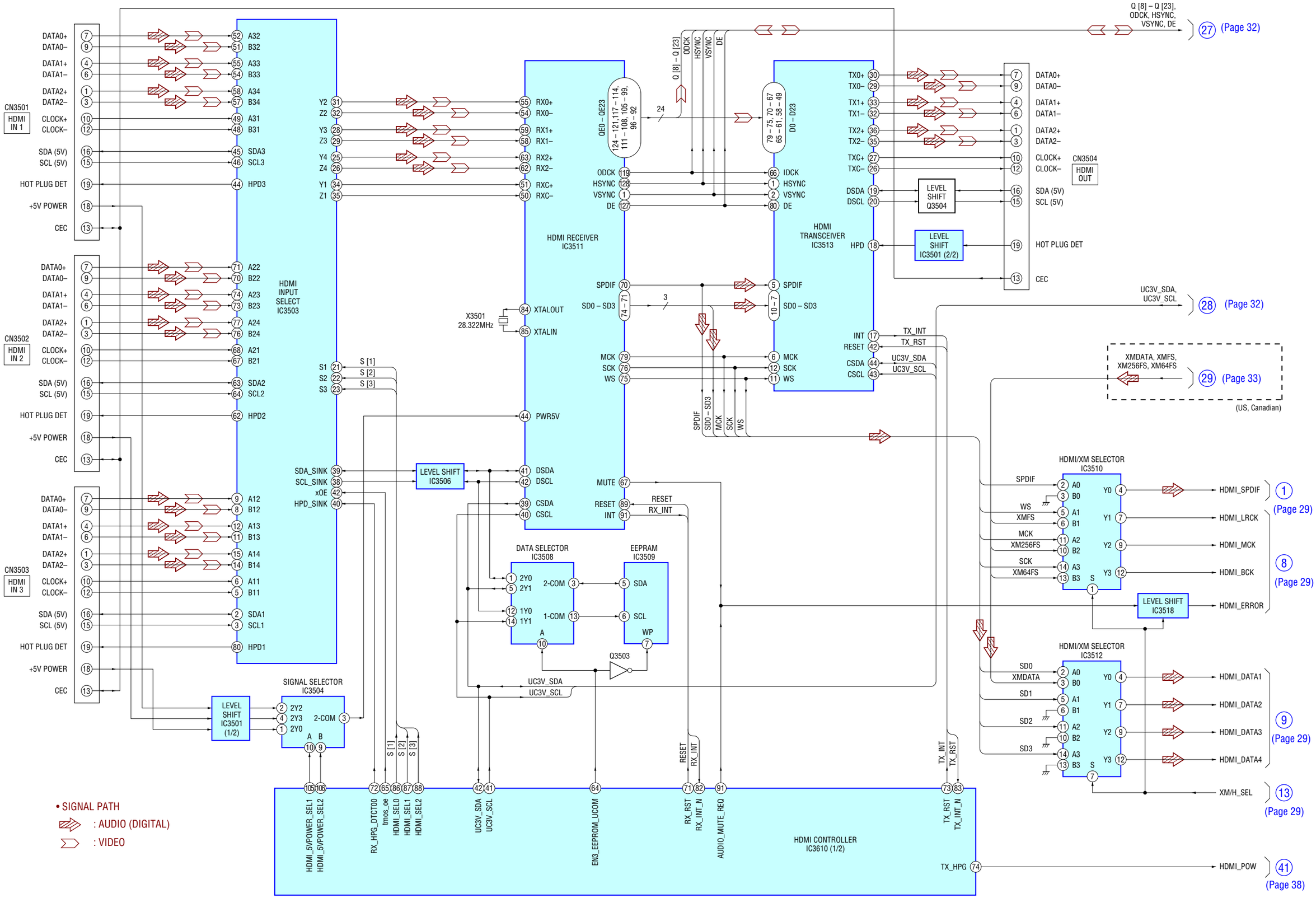
6-1. BLOCK DIAGRAM – CONTROL Section –



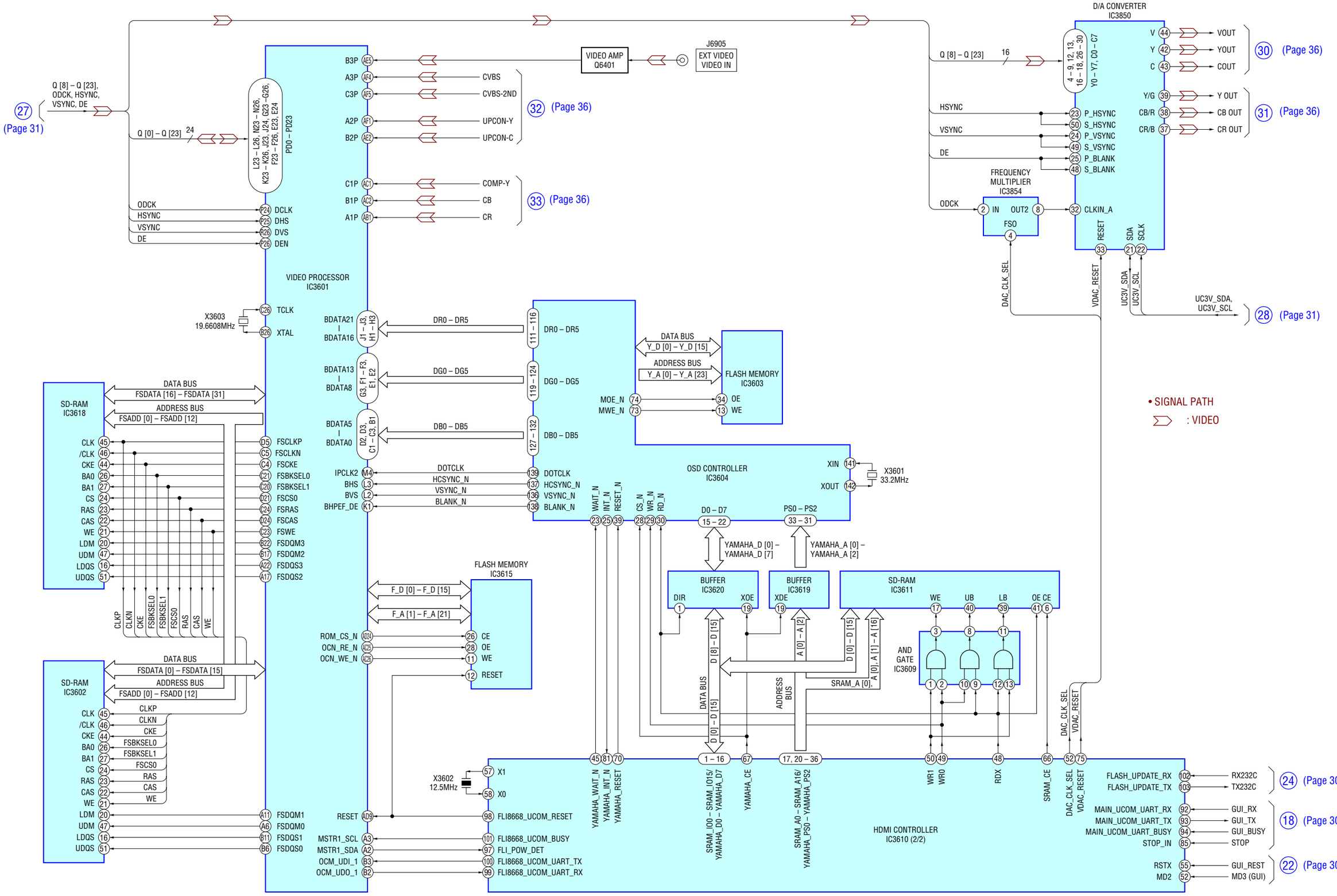
6-2. BLOCK DIAGRAM – DSP Section –



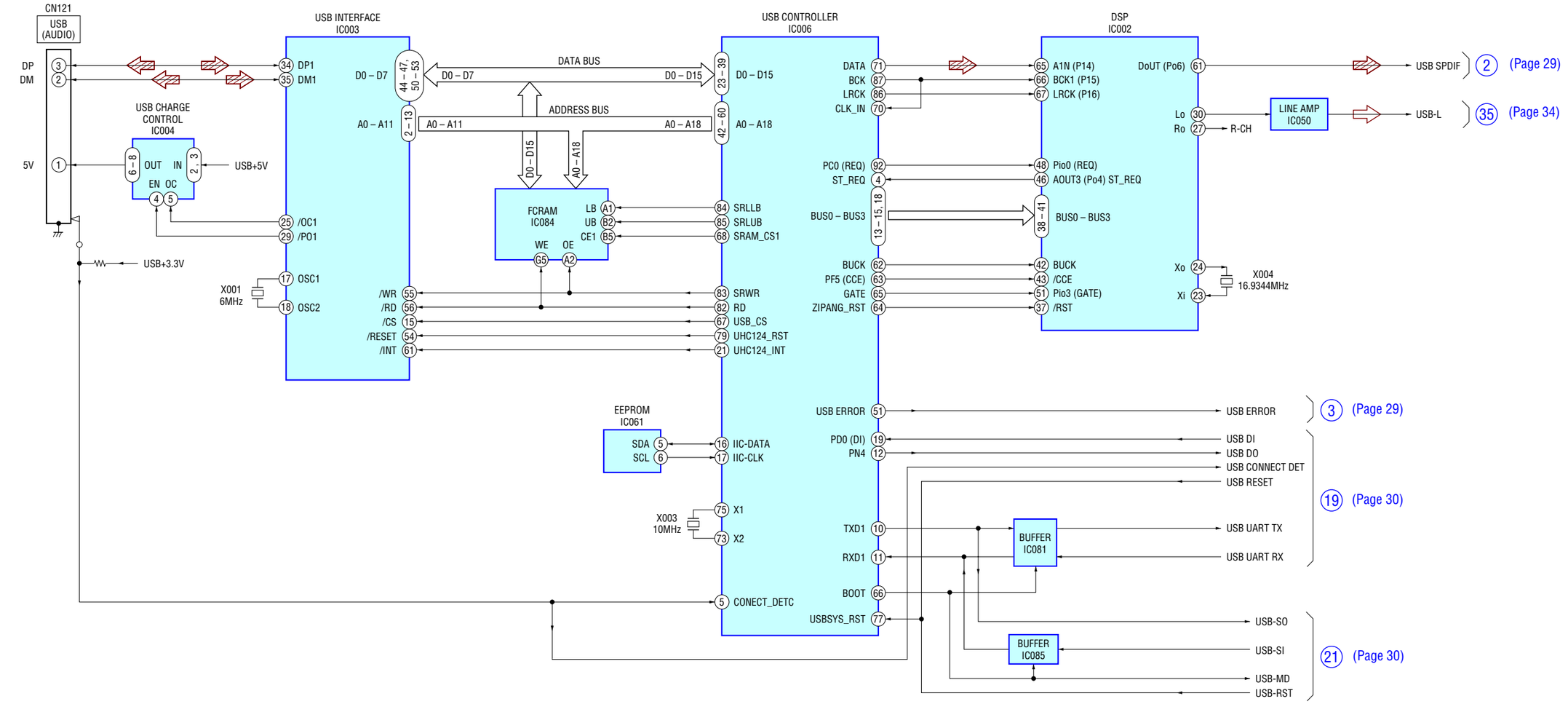
6-3. BLOCK DIAGRAM – HDMI RECEIVER/TRANSCEIVER Section –

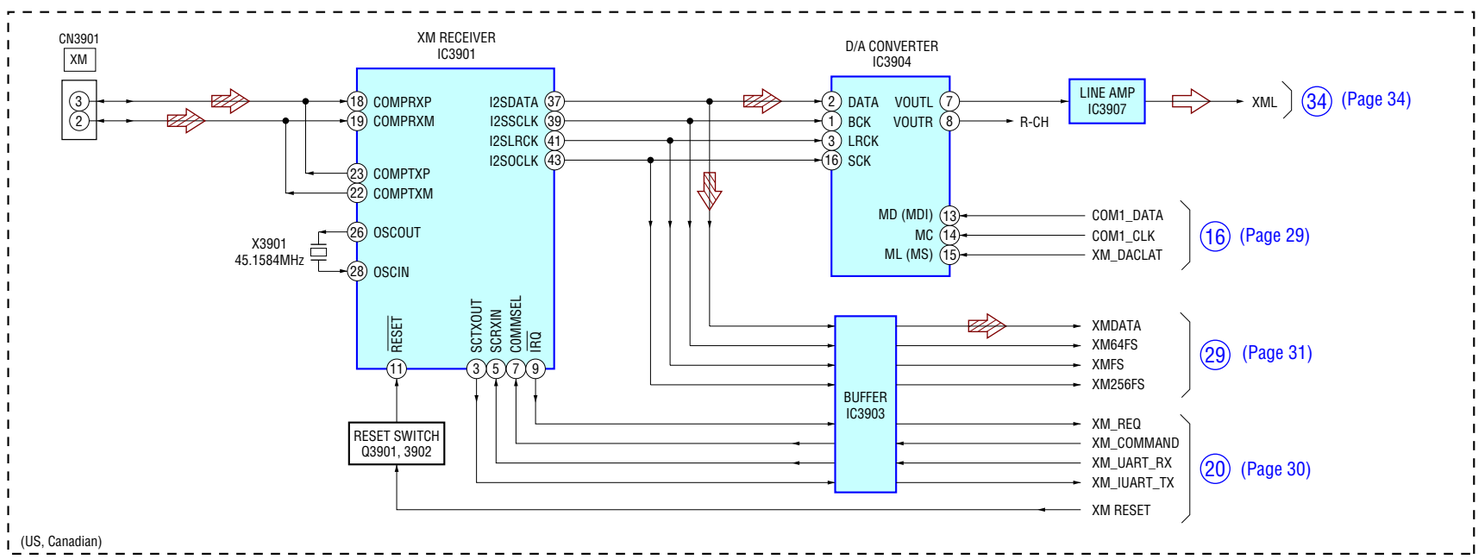


6-4. BLOCK DIAGRAM – VIDEO PROCESS Section –



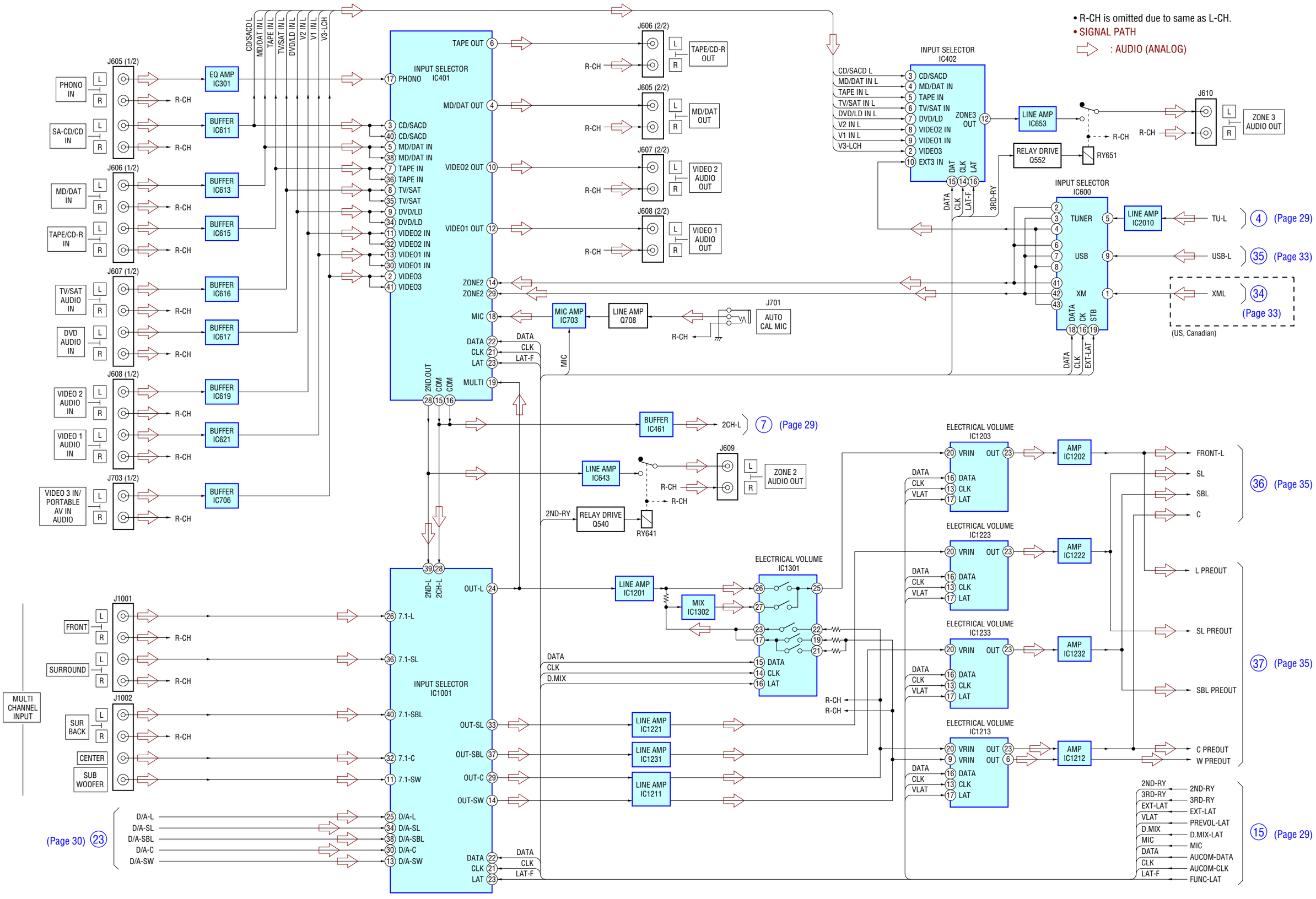
6-5. BLOCK DIAGRAM – USB, XM RECEIVER Section –



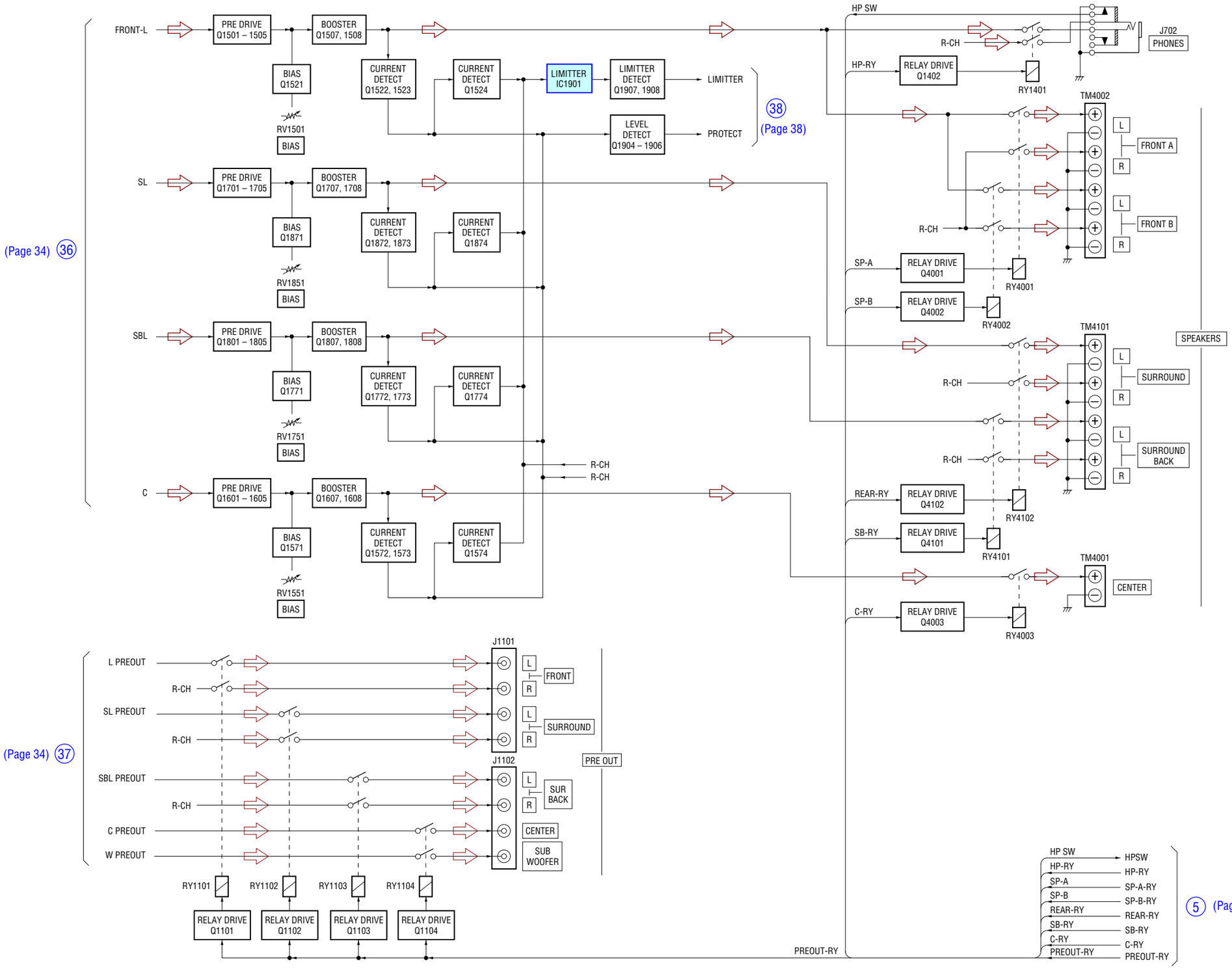


- R-CH is omitted due to same as L-CH.
- SIGNAL PATH
  - : AUDIO (ANALOG)
  - : AUDIO (DIGITAL)

6-6. BLOCK DIAGRAM – ANALOG AUDIO Section –

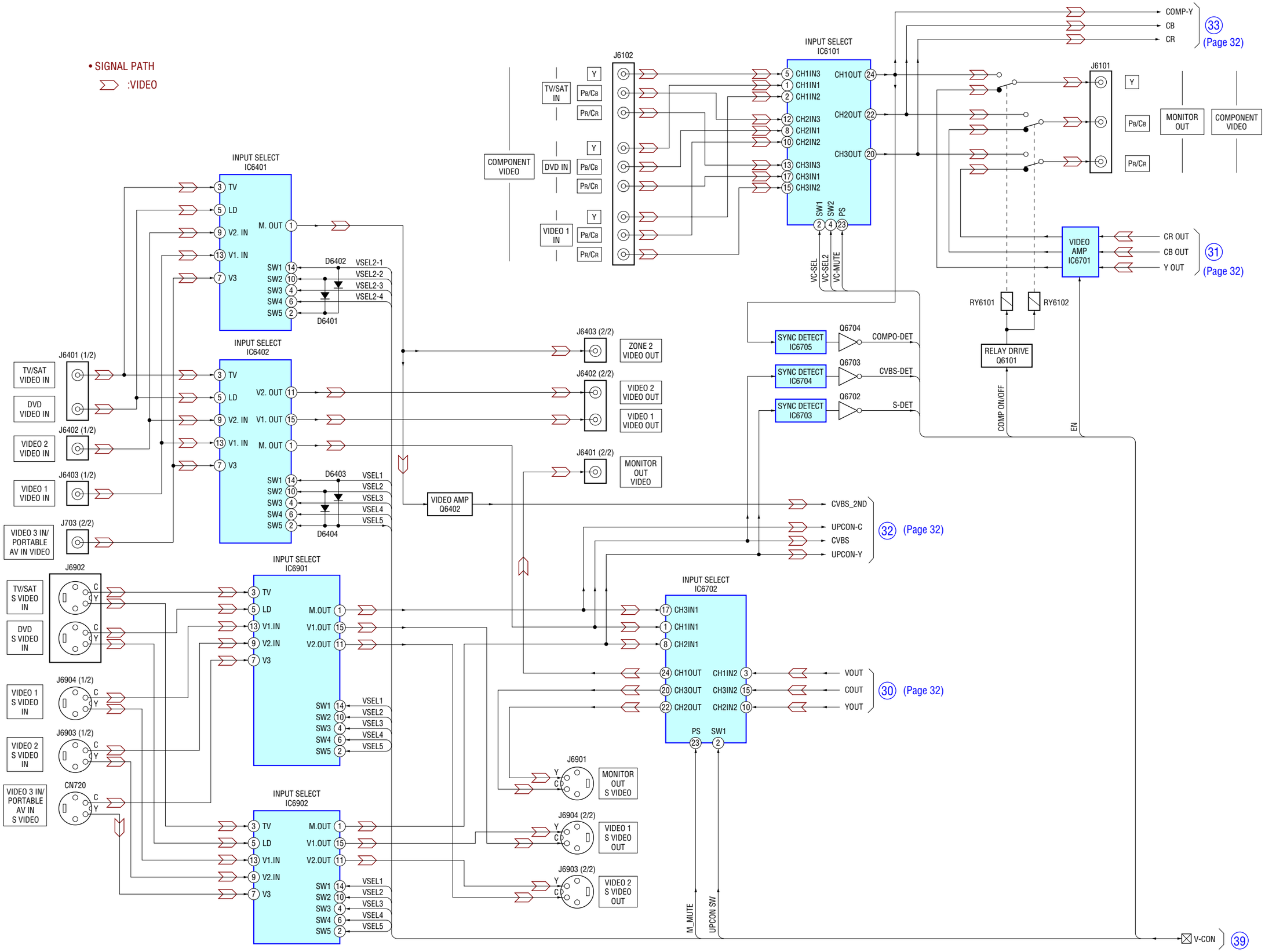


6-7. BLOCK DIAGRAM – POWER AMP Section –

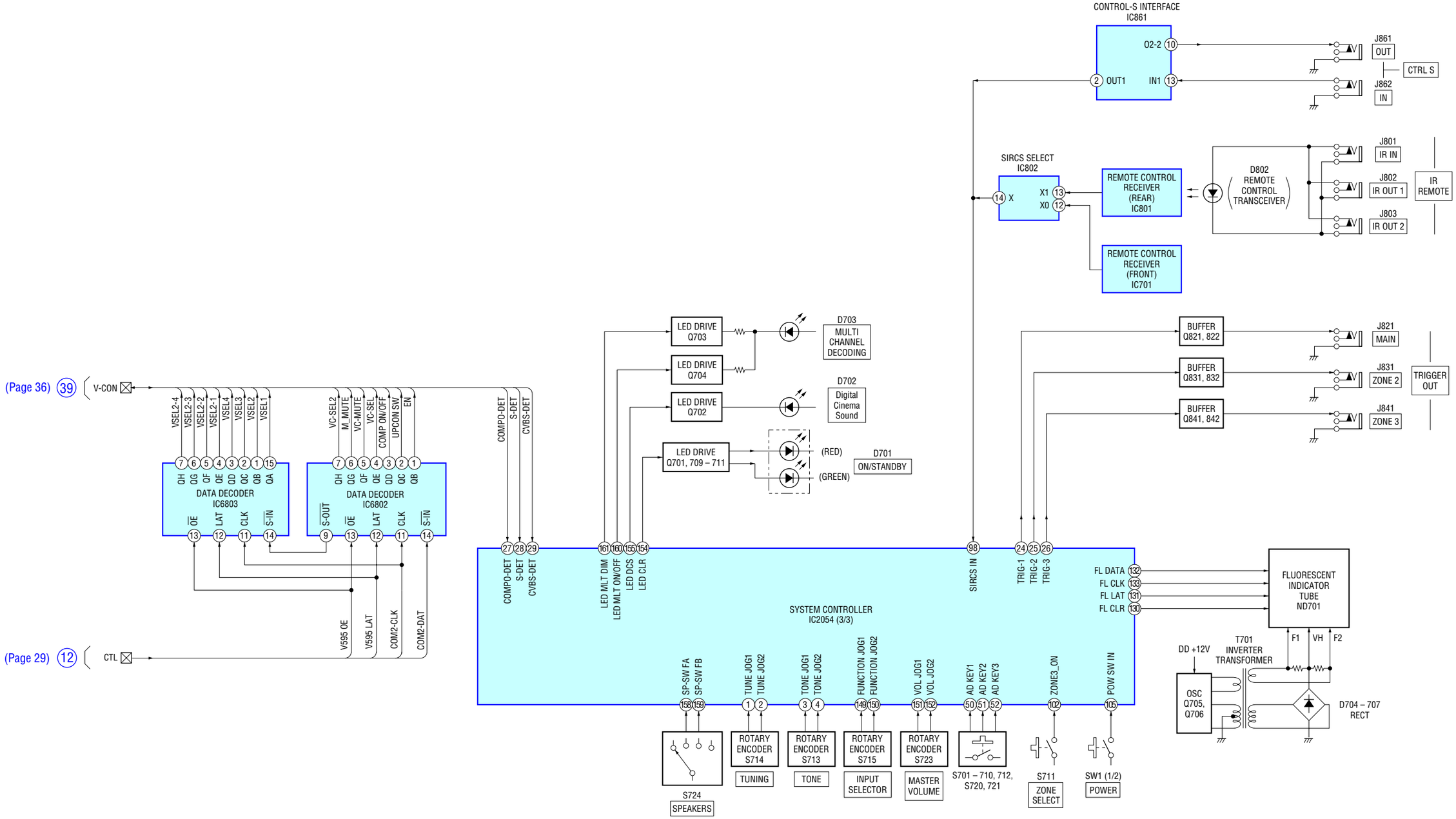


- R-CH is omitted due to same as L-CH.
- SIGNAL PATH
  ⇨ : AUDIO (ANALOG)

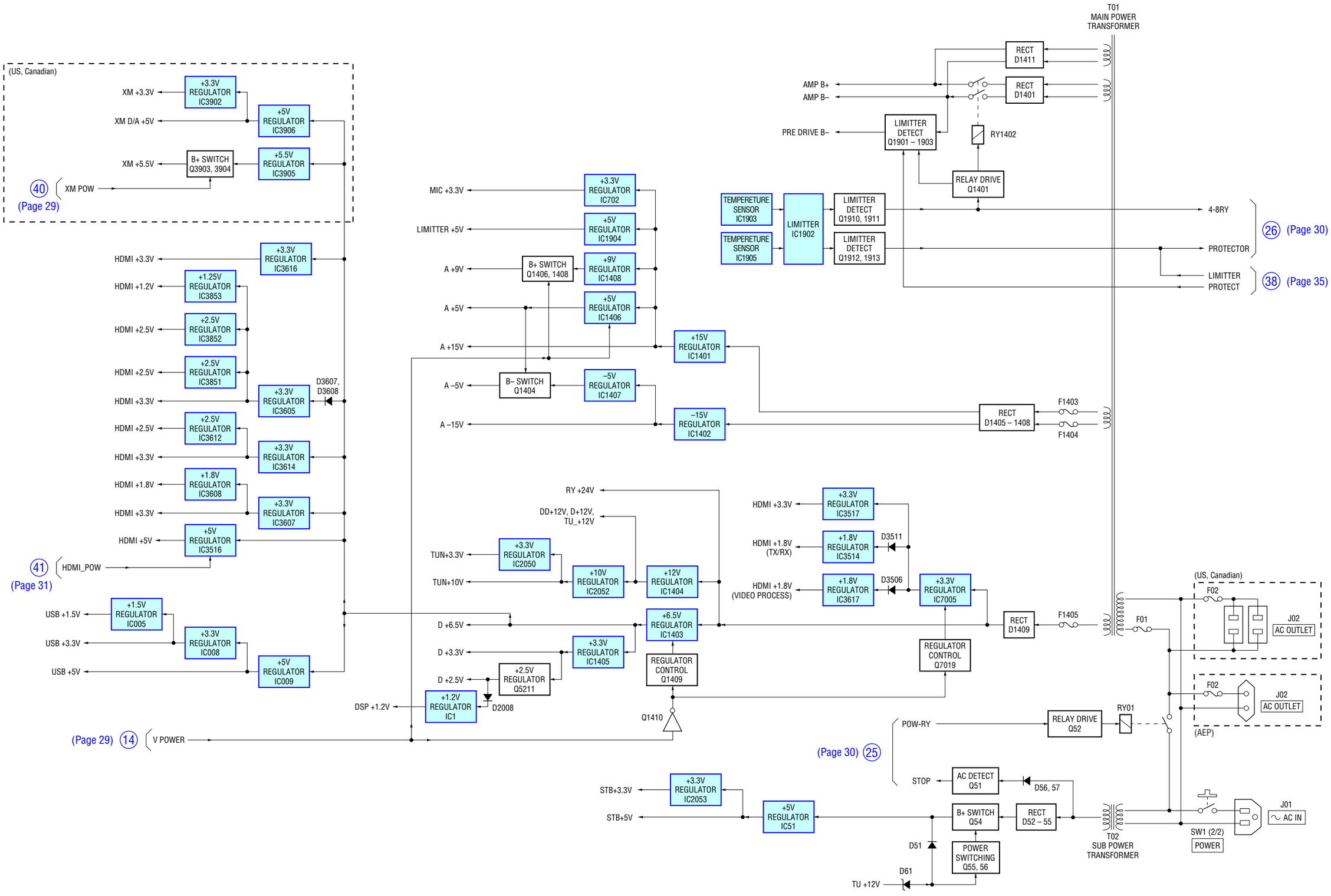
6-8. BLOCK DIAGRAM – VIDEO Section –



6-9. BLOCK DIAGRAM – DISPLAY Section –



6-10. BLOCK DIAGRAM – POWER SUPPLY Section –



• Note for Printed Wiring Boards and Schematic Diagrams

Note on Printed Wiring Board:

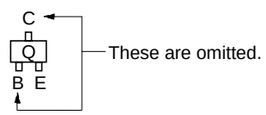
- ○——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- △ : internal component.
- ▬ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

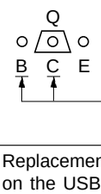
Caution:	
Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

Caution:	
Pattern face side: (Side B)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Side A)	Parts on the parts face side seen from the parts face are indicated.

- DSP, HDMI, USB and USB CONNECTOR boards are multi-layer printed board.
  However, the patterns of intermediate-layers have not been included in this diagrams.
- Indication of transistor



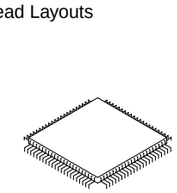
These are omitted.



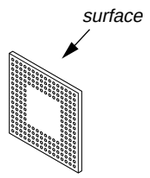
These are omitted.

* Replacement of IC3601on the HDMI board and IC084 on the USB board used in this set requires a special tool.

- Lead Layouts



Lead layout of conventional IC



CSP (chip size package)

Note on Schematic Diagram:

- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- ▭ : panel designation.

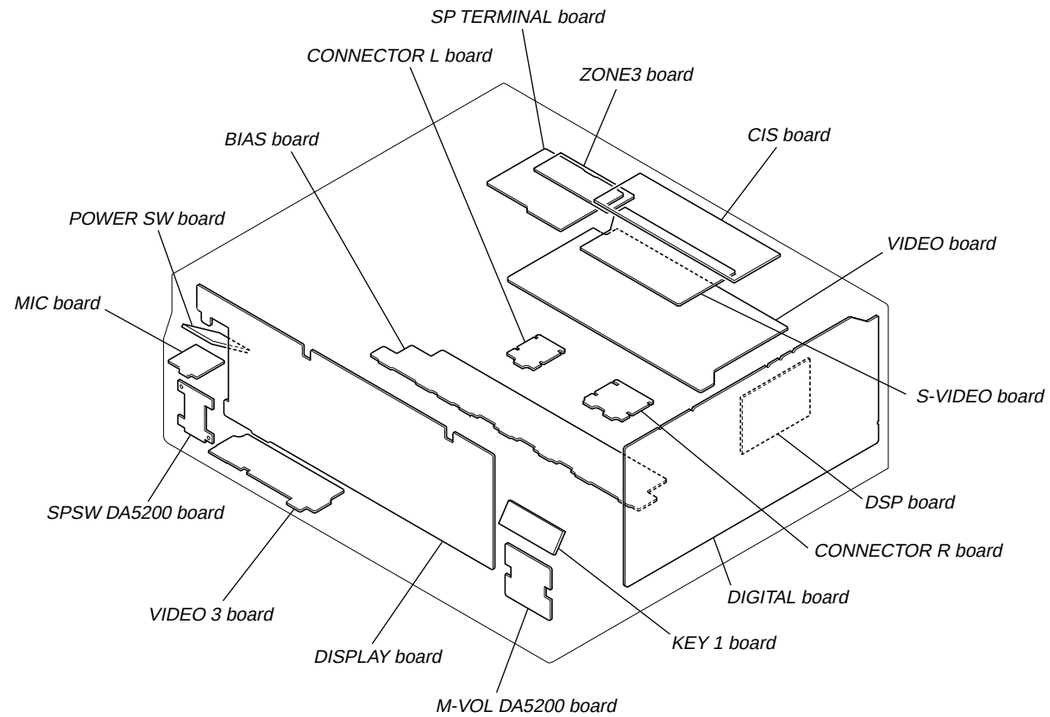
Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

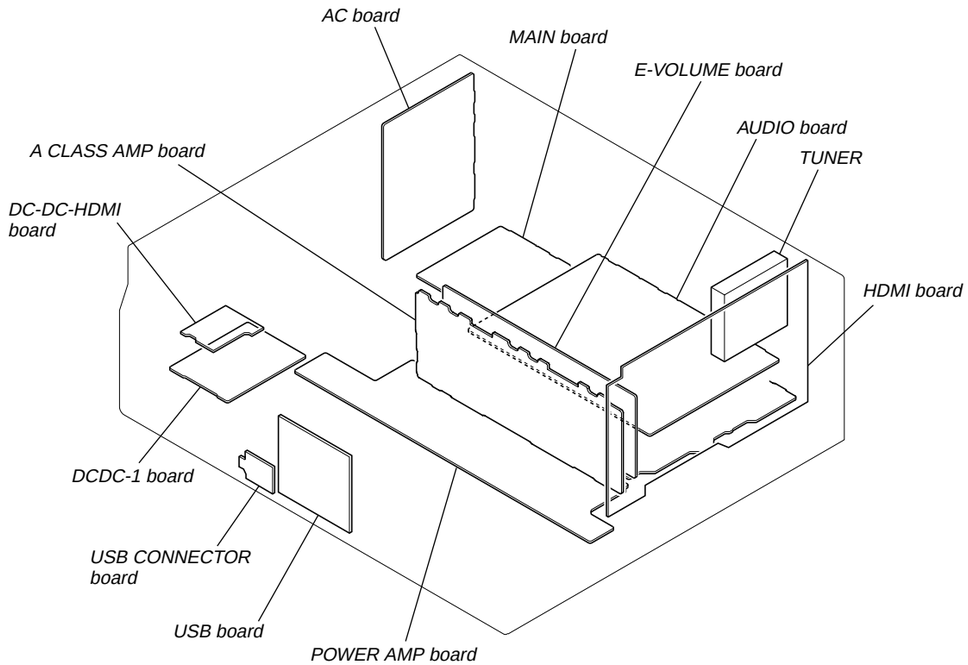
- ▬▬ : B+ Line.
- ▬ ▬ ▬ : B– Line.
- ▭ : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  – VIDEO, S-VIDEO boards –
  no mark : VIDEO 1 mode
  – HDMI board –
  no mark : HDMI
  ＊ : Impossible to measure
  – Other boards –
  no mark : TUNER
- Voltages are taken with a VOM (Input impedance 10 MW). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : AUDIO (ANALOG)
  ⇨ : AUDIO (DIGITAL)
  ⇨ : VIDEO
- Abbreviation
  CND : Canadian model

* Replacement of IC3601on the HDMI board and IC084 on the USB board used in this set requires a special tool.

- The voltage and waveform of CSP (chip size package) cannot be measured, because its lead layout is different from that of conventional IC.

• Circuit Boards Location





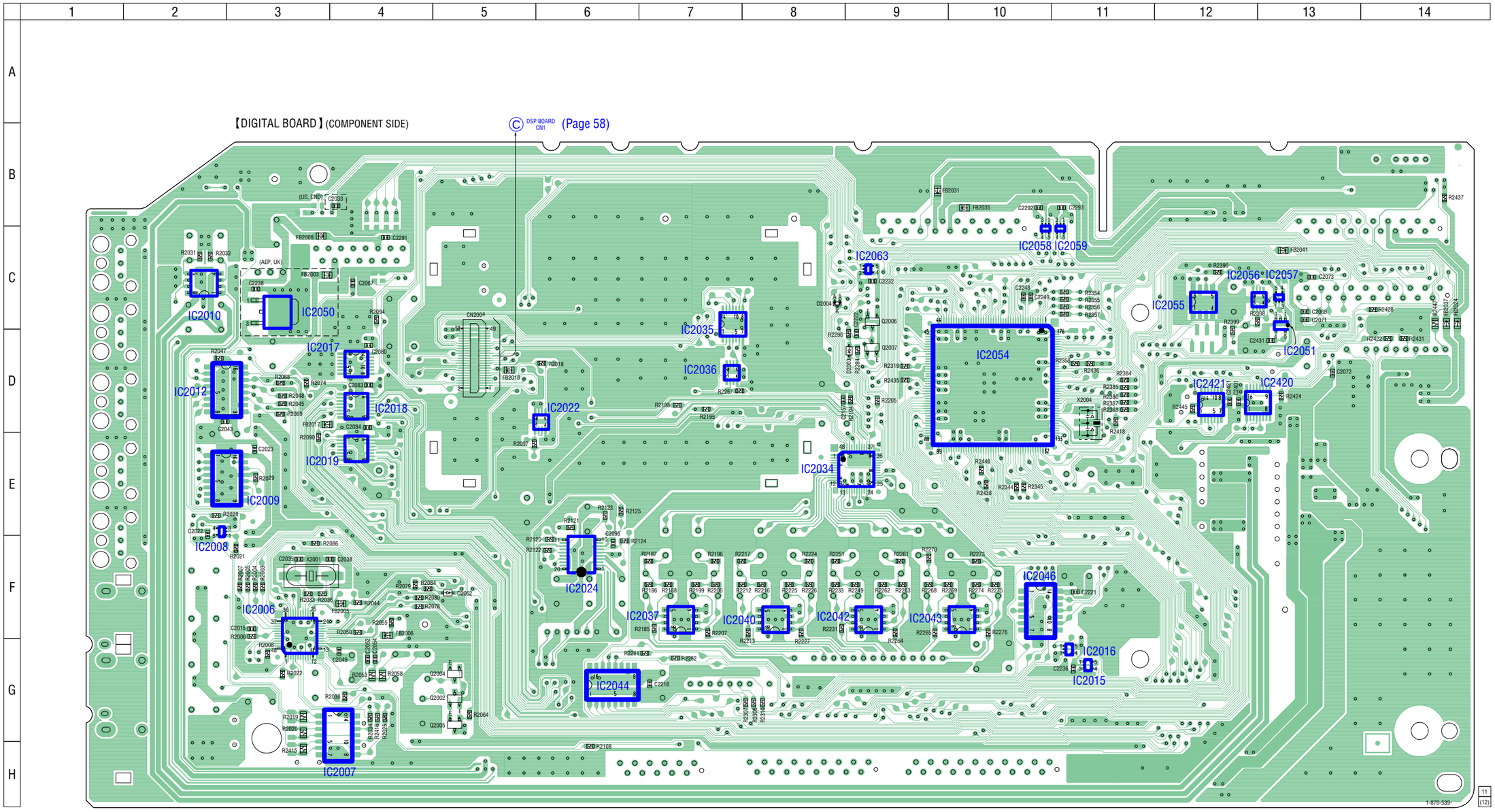
6-11. PRINTED WIRING BOARD – DIGITAL Board (Component Side) –

• See page 39 for Circuit Boards Location.

: Uses unleaded solder.

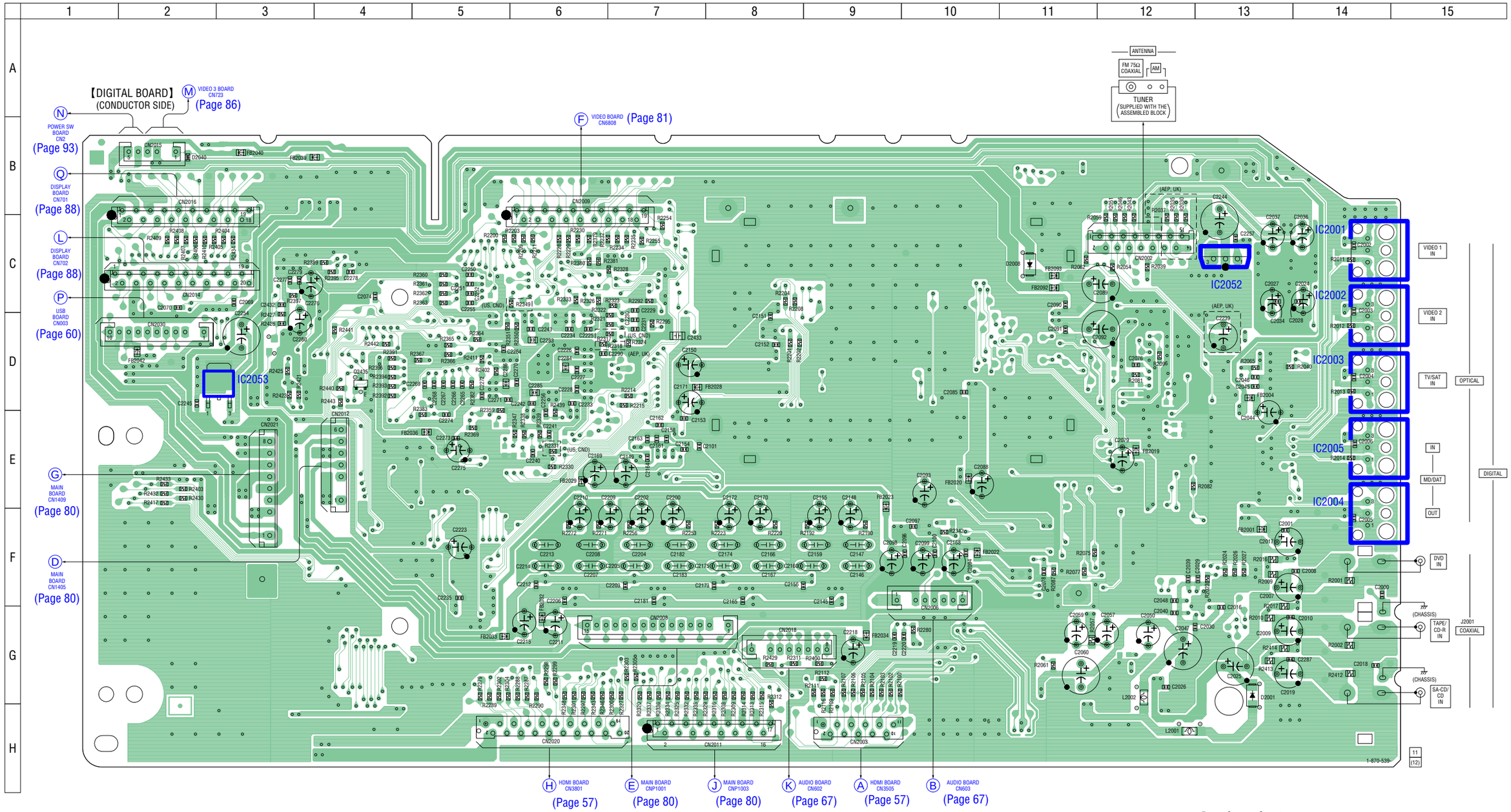
- **Semiconductor Location**

Ref. No.	Location
D2002	F-5
D2003	D-9
D2004	C-8
IC2006	F-3
IC2007	G-4
IC2008	E-2
IC2009	E-3
IC2010	C-2
IC2012	D-3
IC2015	G-11
IC2016	G-11
IC2017	D-4
IC2018	D-4
IC2019	E-4
IC2022	D-6
IC2024	F-6
IC2034	E-9
IC2035	C-7
IC2036	D-7
IC2037	F-7
IC2040	F-8
IC2042	F-9
IC2043	F-10
IC2044	G-6
IC2046	F-10
IC2050	C-3
IC2051	C-13
IC2054	D-10
IC2055	C-12
IC2056	C-13
IC2057	C-13
IC2058	C-10
IC2059	C-11
IC2063	C-9
IC2420	D-13
IC2421	D-12
Q2002	G-5
Q2004	G-5
Q2005	G-5
Q2006	C-9
Q2007	D-9



6-12. PRINTED WIRING BOARD – DIGITAL Board (Conductor Side) –

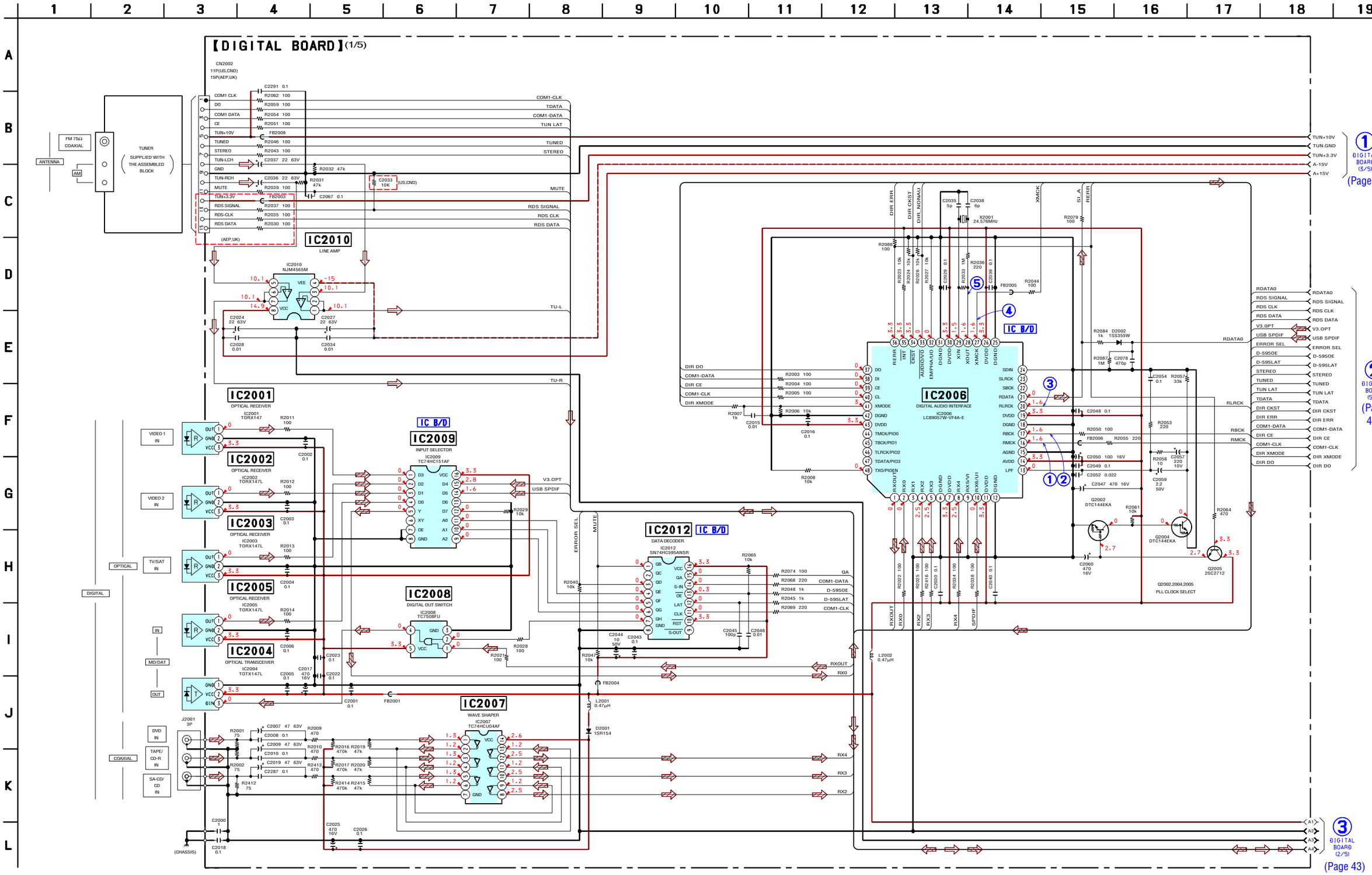
• See page 39 for Circuit Boards Location. : Uses unleaded solder.



- **Semiconductor Location**

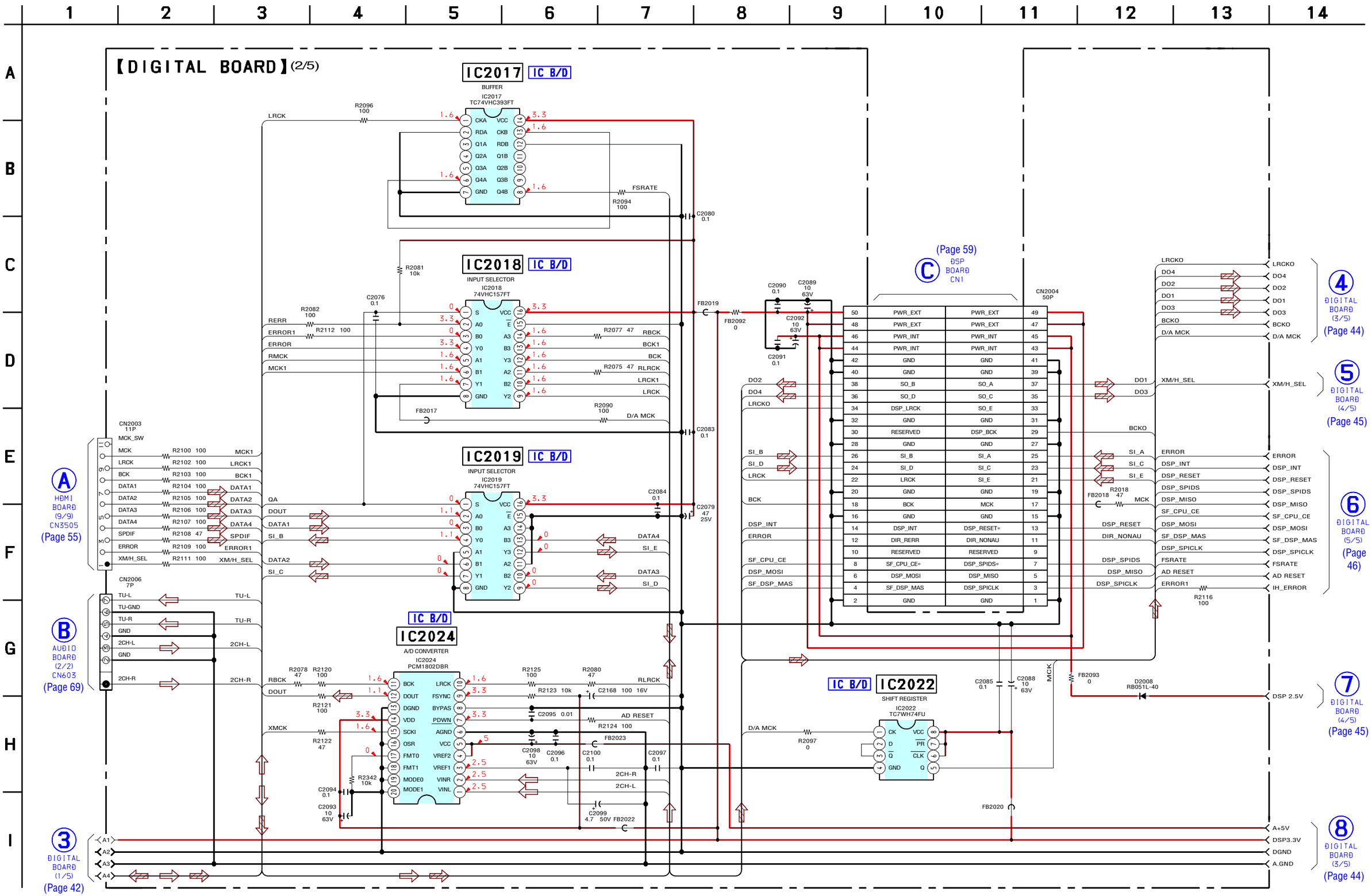
Ref. No.	Location
D2001	G-13
D2008	C-11
D2040	B-2
IC2001	C-14
IC2002	D-14
IC2003	D-14
IC2004	F-14
IC2005	E-14
IC2052	C-13
IC2053	D-3
Q2435	D-4

6-13. SCHEMATIC DIAGRAM – DIGITAL Board (1/5) – • See page 95 for Waveforms. • See page 98 for IC Block Diagrams.



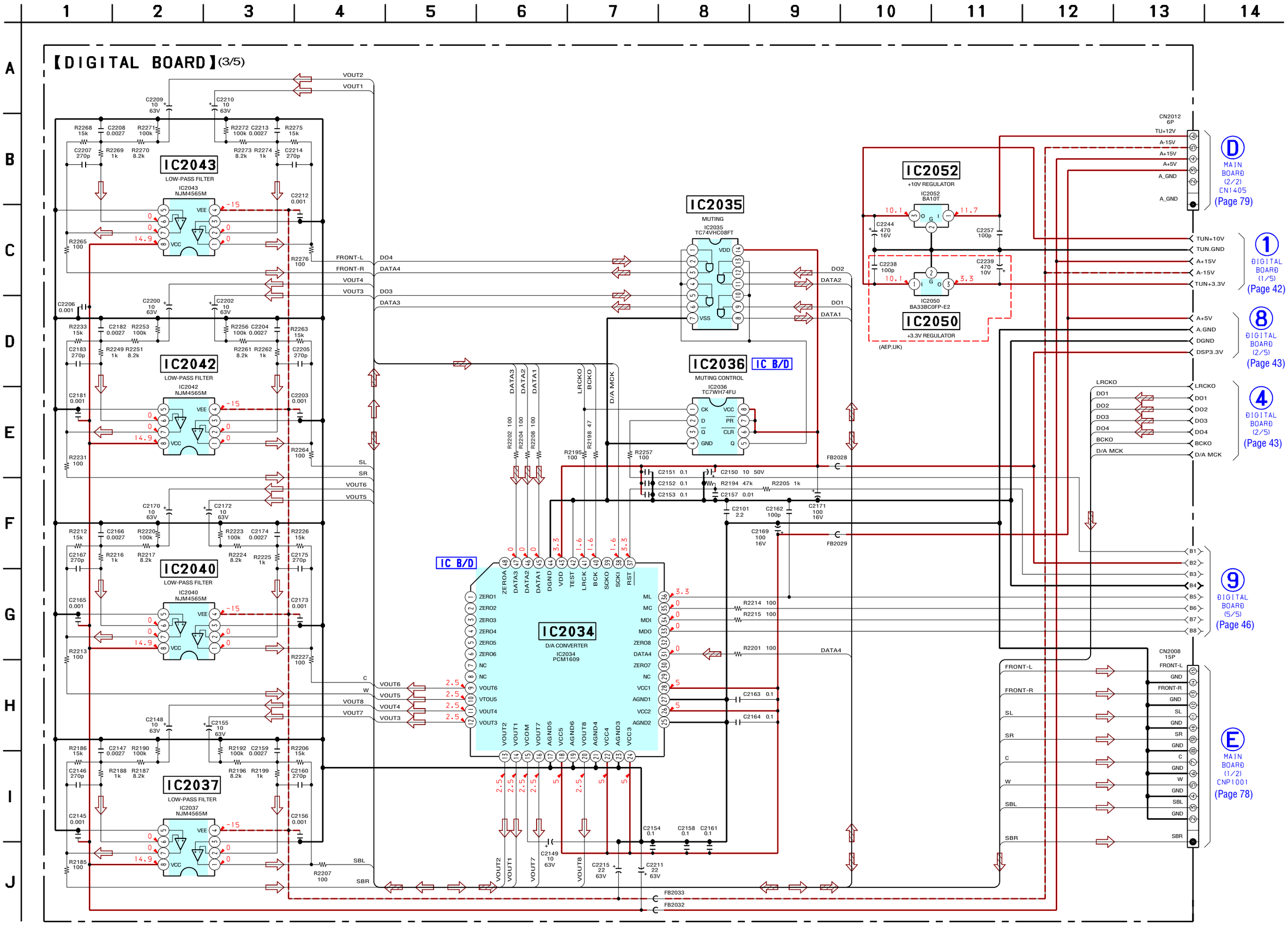
6-14. SCHEMATIC DIAGRAM – DIGITAL Board (2/5) –

• See page 98 for IC Block Diagrams.



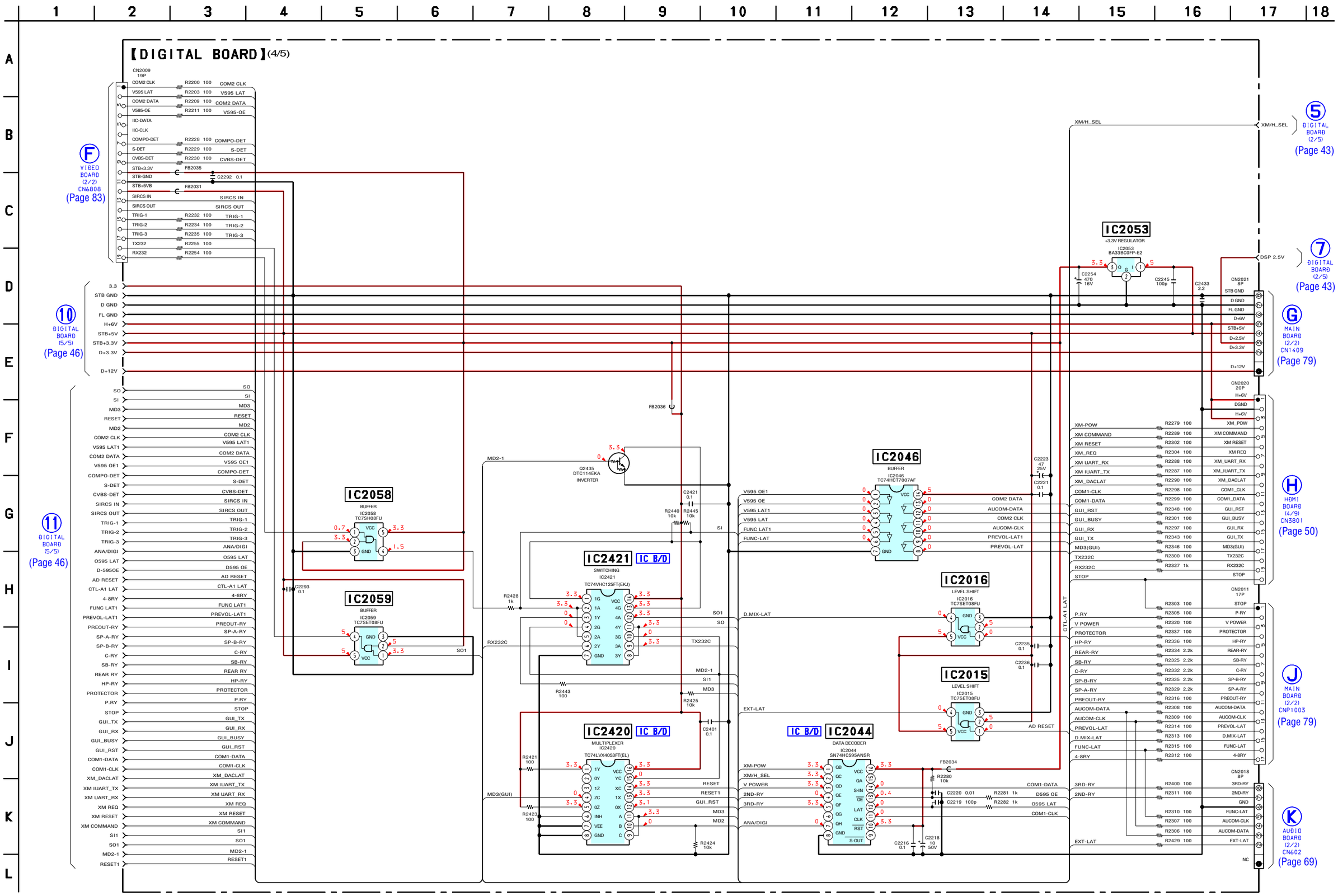
6-15. SCHEMATIC DIAGRAM – DIGITAL Board (3/5) –

• See page 98 for IC Block Diagrams.

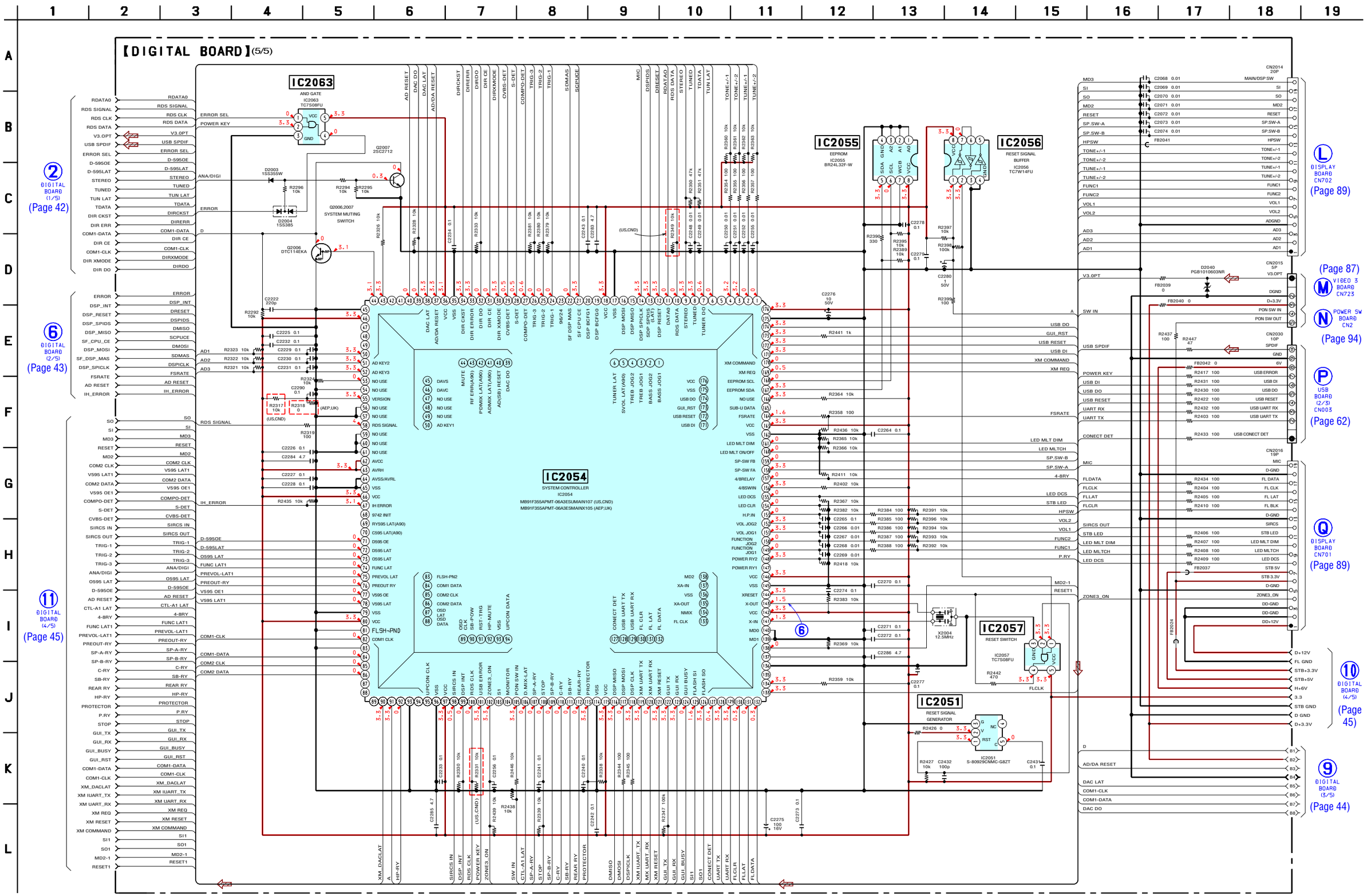


6-16. SCHEMATIC DIAGRAM – DIGITAL Board (4/5) –

• See page 98 for IC Block Diagrams.

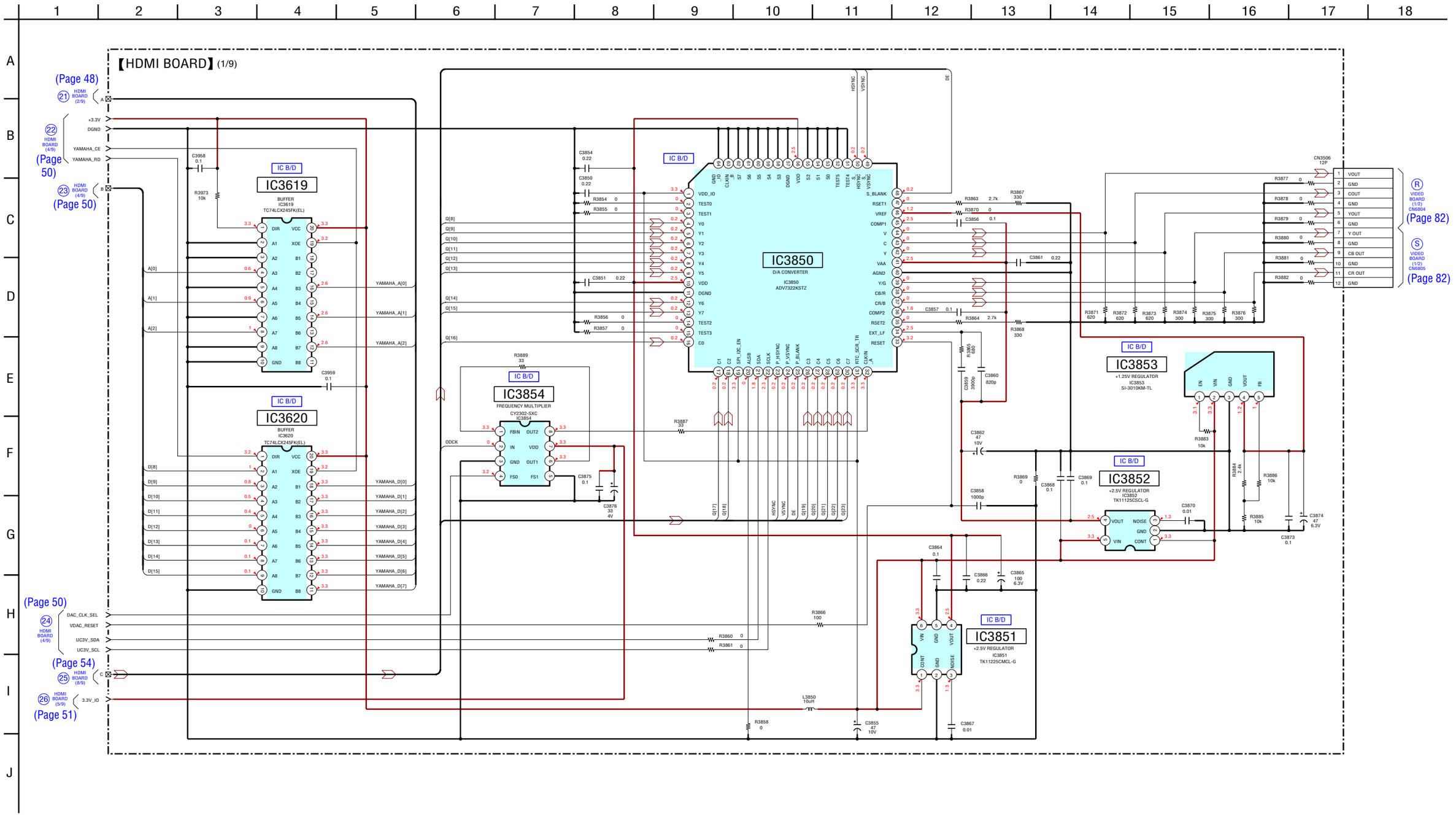


6-17. SCHEMATIC DIAGRAM – DIGITAL Board (5/5) – • See page 95 for Waveforms. • See page 114 for IC Pin Function Description.



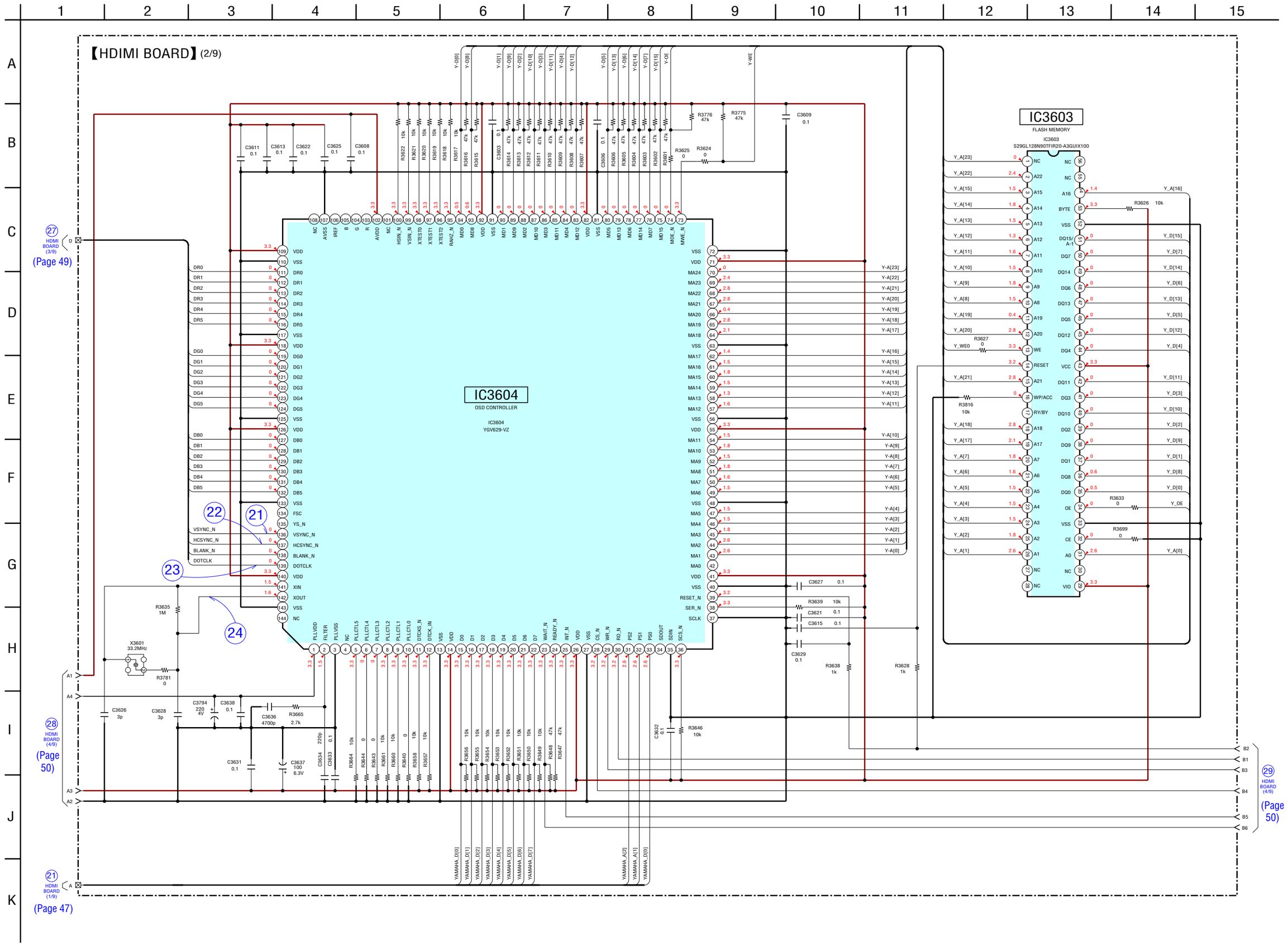
6-18. SCHEMATIC DIAGRAM – HDMI Board (1/9) –

• See page 98 for IC Block Diagrams.



6-19. SCHEMATIC DIAGRAM – HDMI Board (2/9) –

• See page 95 for Waveforms. • See page 114 for IC Pin Function Description.



6-20. SCHEMATIC DIAGRAM – HDMI Board (3/9) –

• See page 114 for IC Pin Function Description.

【 HDMI BOARD】(3/9)

IC3618
SD-RAM
IC3618
HY5DU561622ETP-4

IC3602
SD-RAM
IC3602
HY5DU561622ETP-4

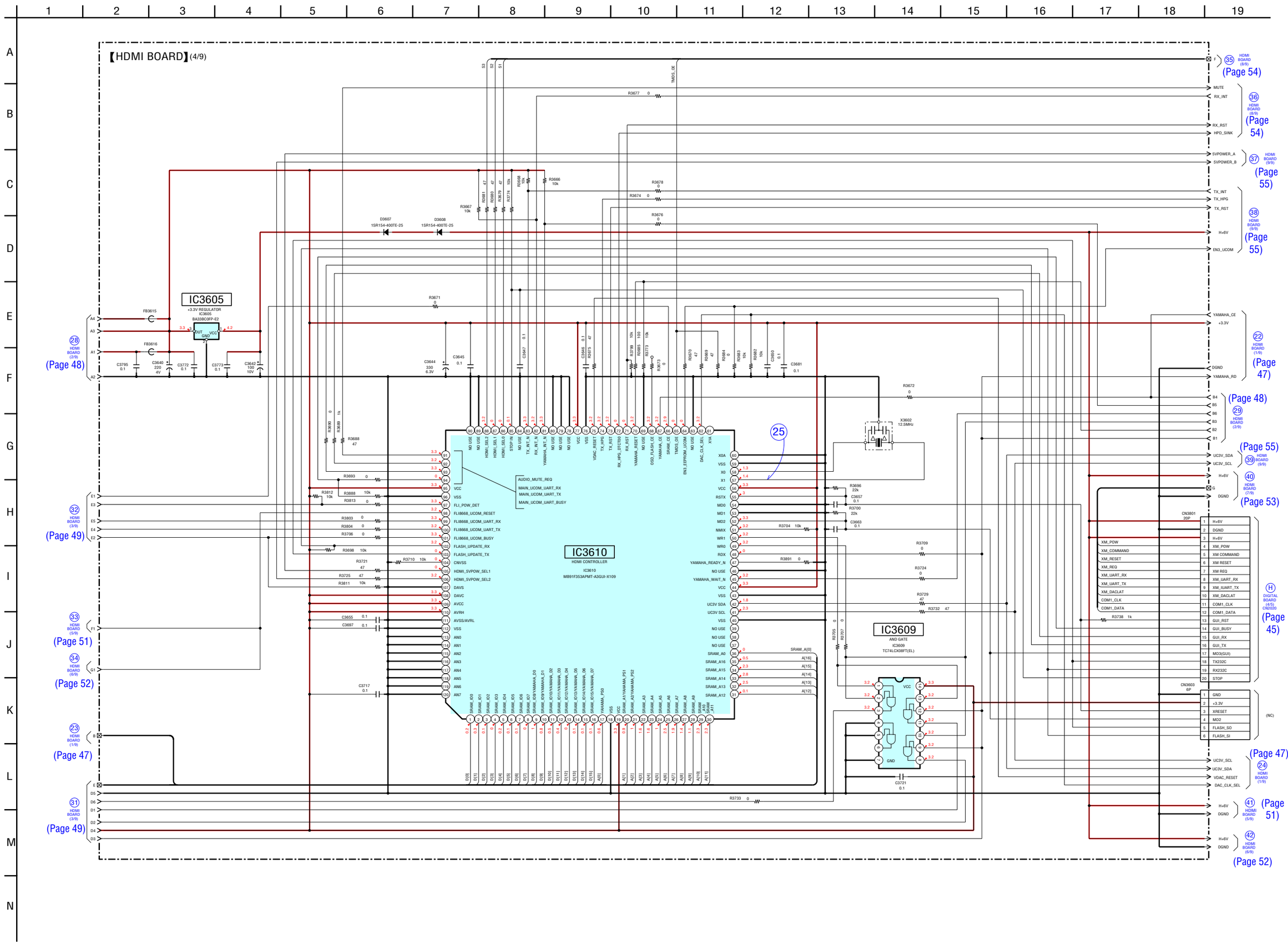
IC3611
S-RAM
IC3611
IS61LV12816L

IC3601(1/5)
VIDEO PROCESSOR
IC3601(1/5)
FLI8668-LF-BC
CSP
(Chip Size Package)

(30) HDMI BOARD (5/9) (Page 51)
(31) HDMI BOARD (4/9) (Page 50)
(32) HDMI BOARD (4/9) (Page 50)
(27) HDMI BOARD (2/9) (Page 48)

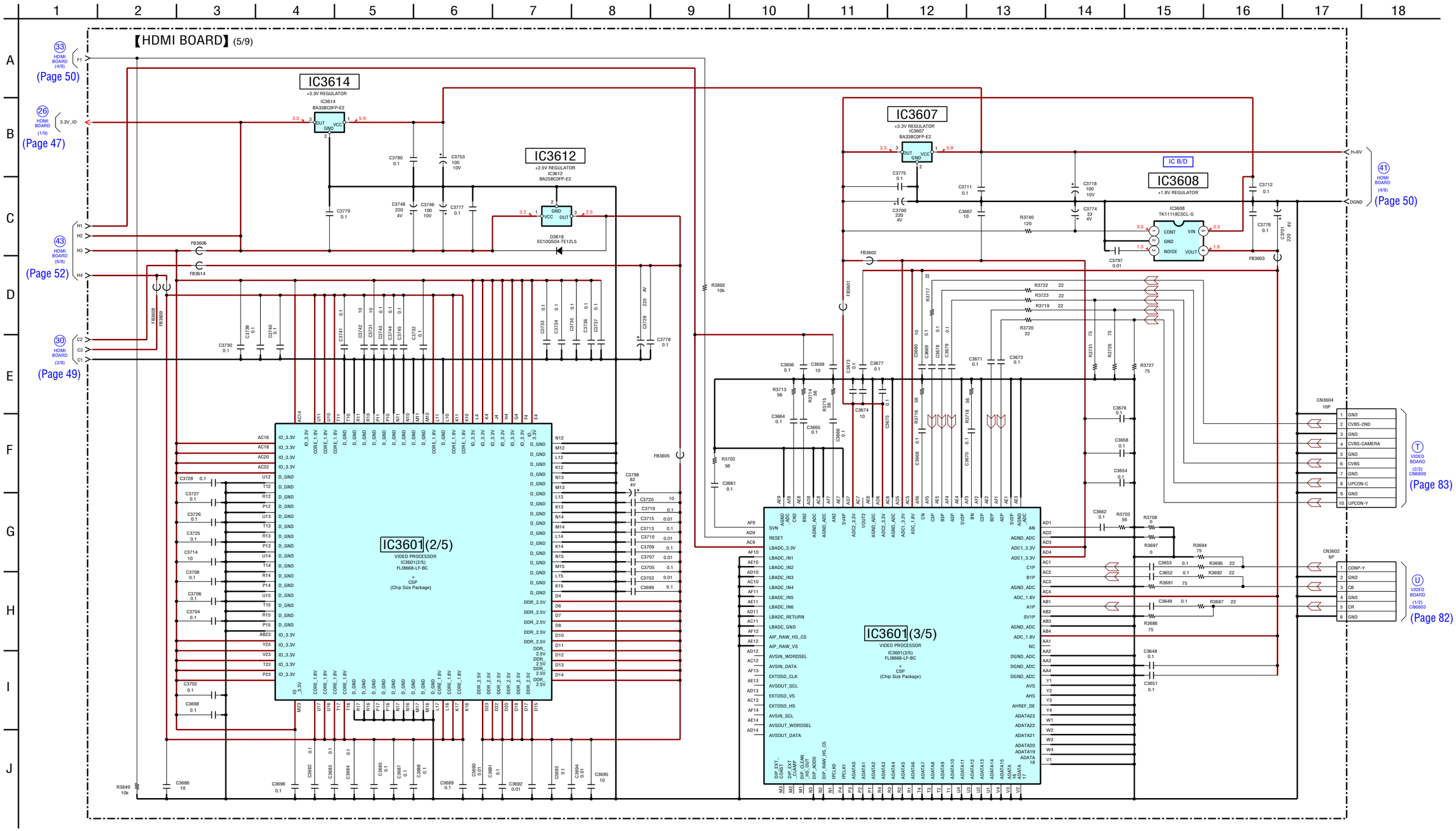
6-21. SCHEMATIC DIAGRAM – HDMI Board (4/9) –

• See page 95 for Waveforms. • See page 114 for IC Pin Function Description.



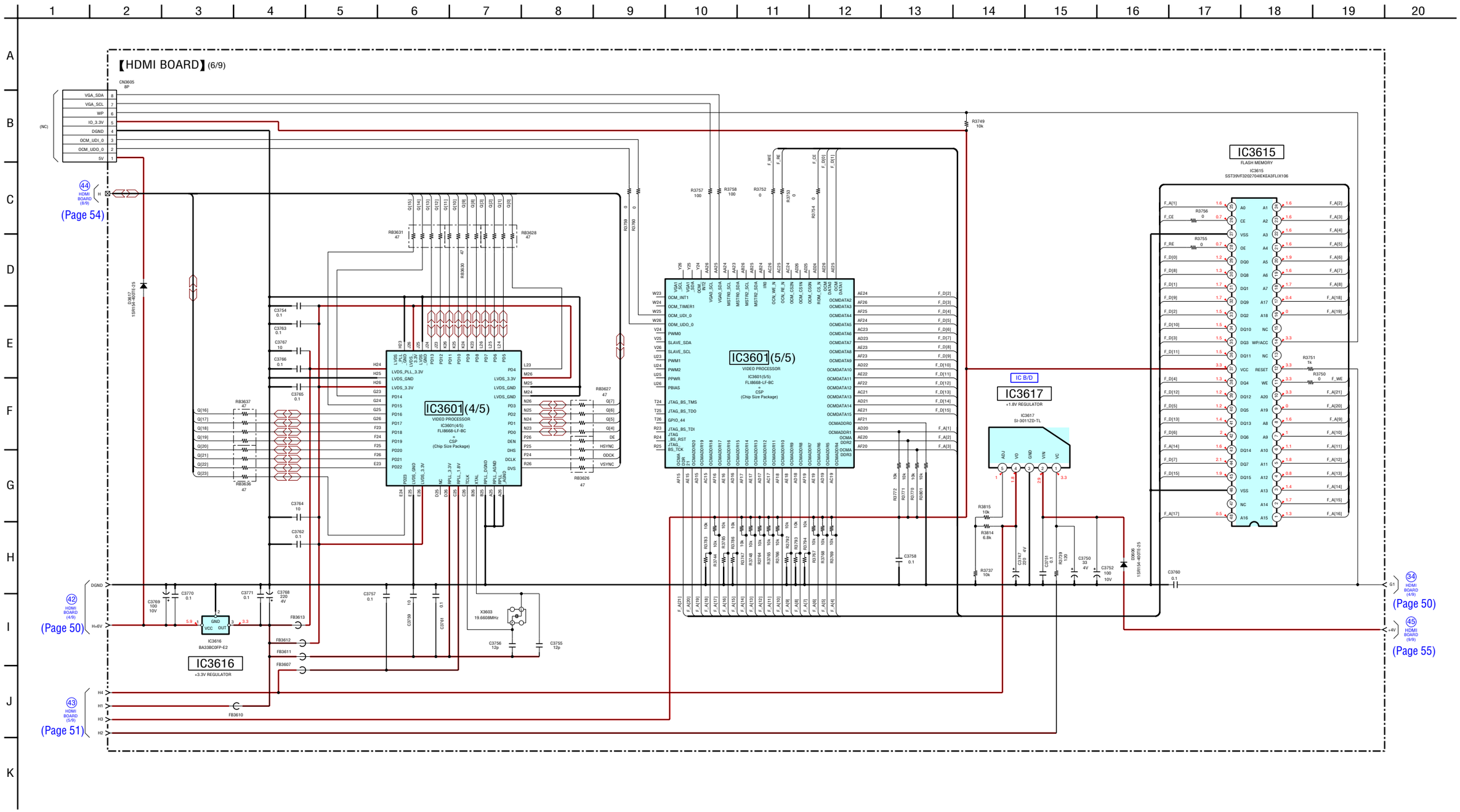
6-22. SCHEMATIC DIAGRAM – HDMI Board (5/9) –

• See page 98 for IC Block Diagrams. • See page 114 for IC Pin Function Description.



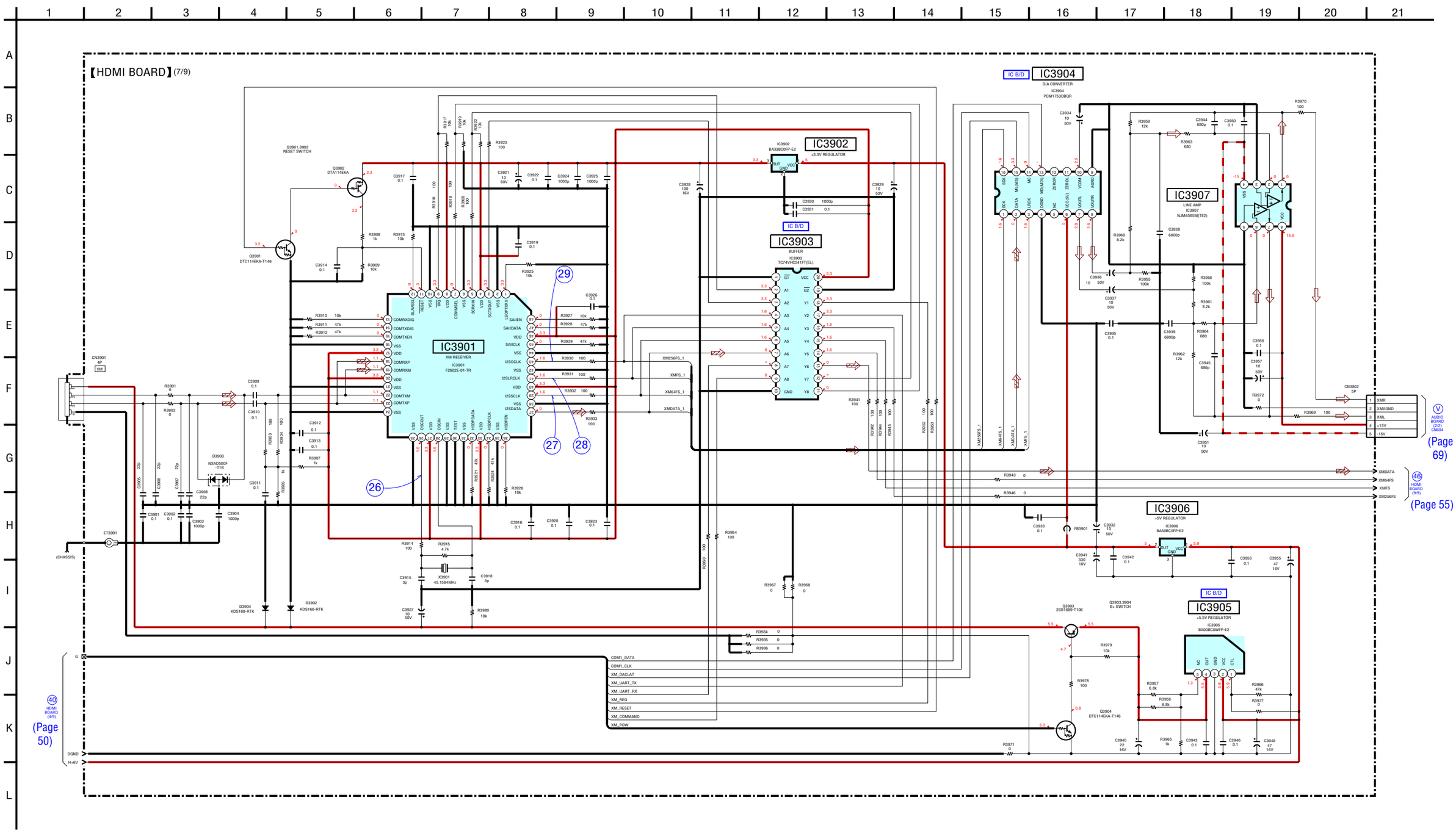
6-23. SCHEMATIC DIAGRAM – HDMI Board (6/9) –

• See page 98 for IC Block Diagrams. • See page 114 for IC Pin Function Description.



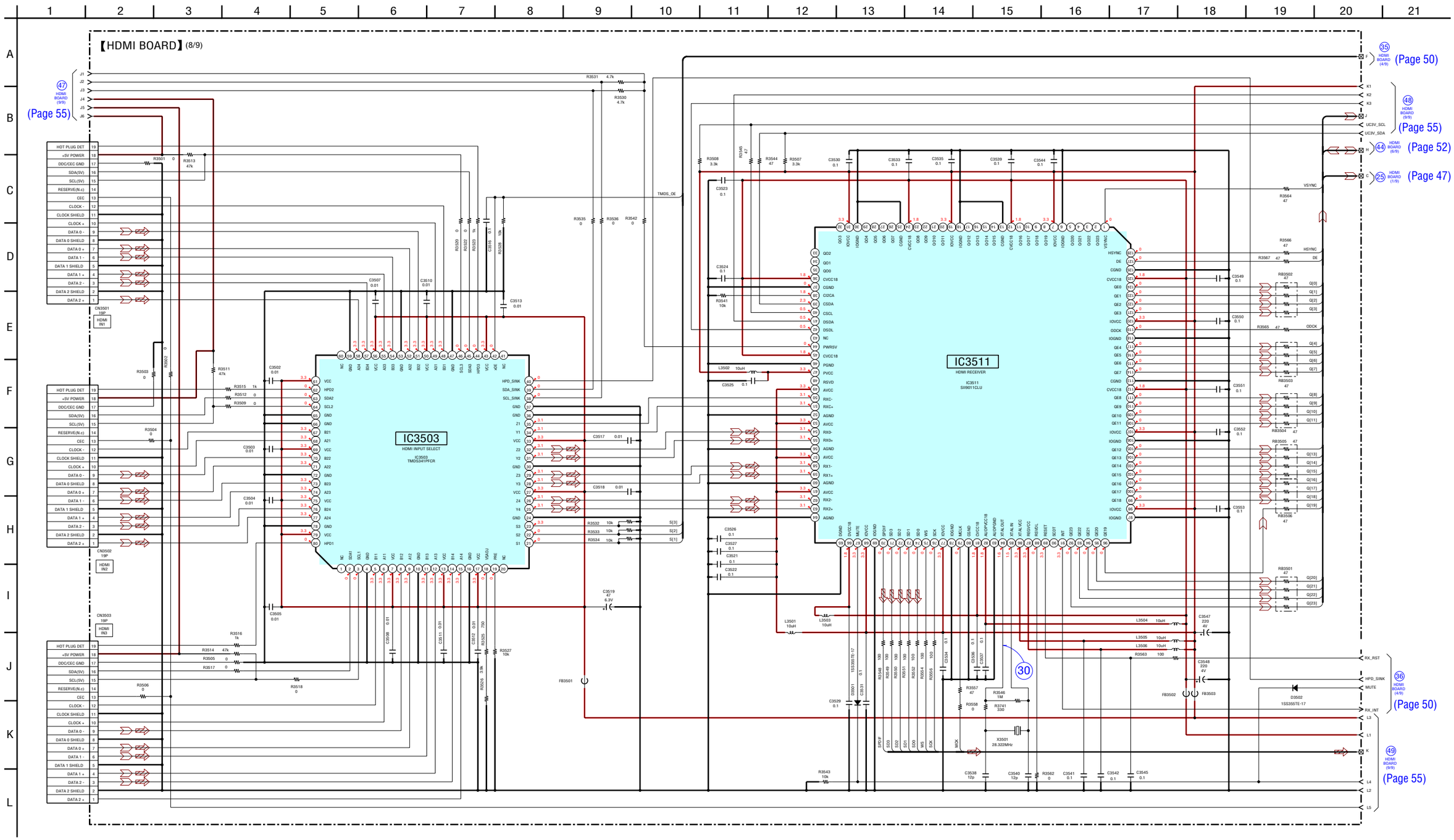
6-24. SCHEMATIC DIAGRAM – HDMI Board (7/9) (US and Canadian models) –

• See page 95 for Waveforms. • See page 98 for IC Block Diagrams. • See page 114 for IC Pin Function Description.



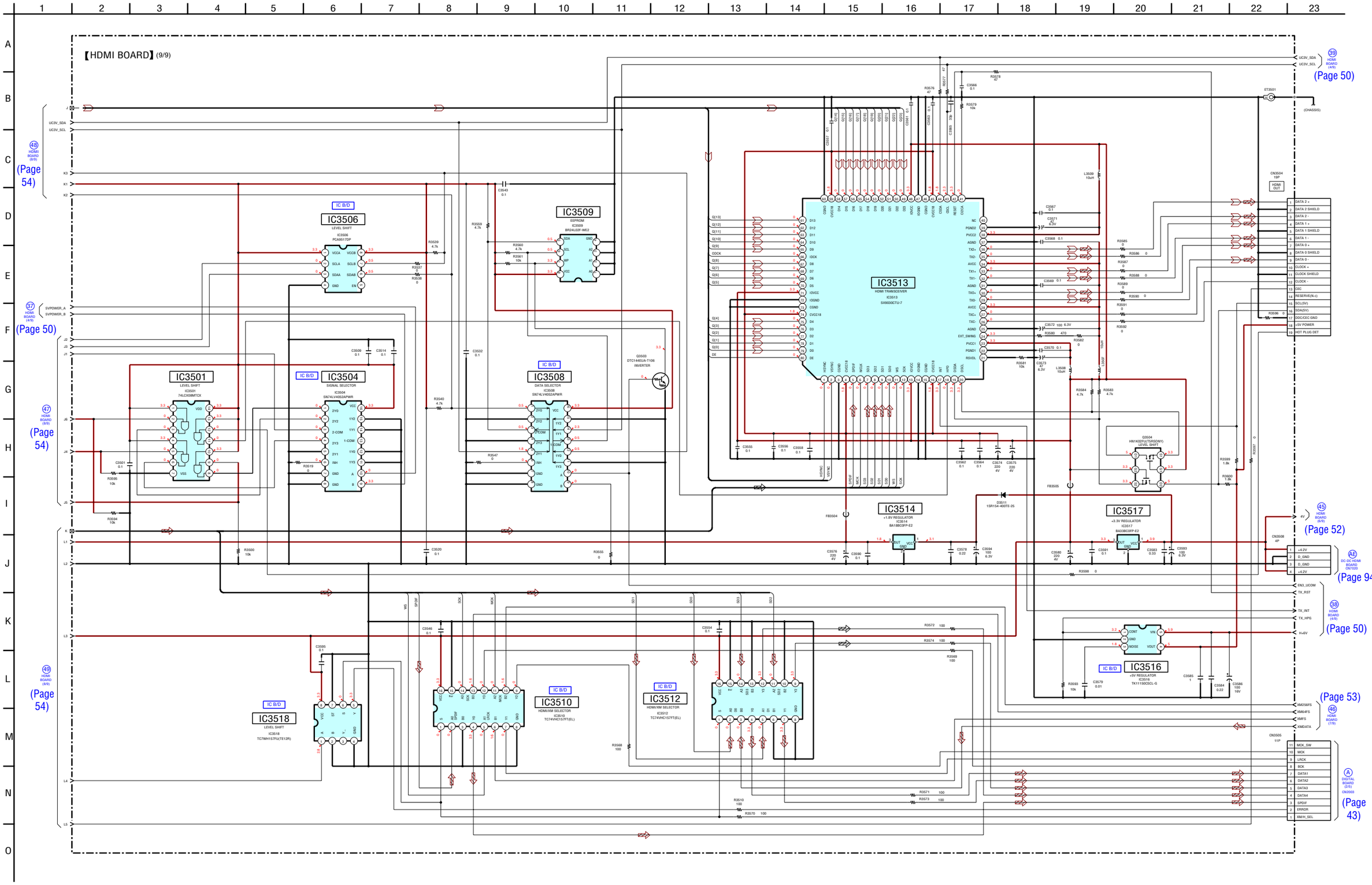
6-25. SCHEMATIC DIAGRAM – HDMI Board (8/9) –

• See page 95 for Waveforms. • See page 114 for IC Pin Function Description.



6-26. SCHEMATIC DIAGRAM – HDMI Board (9/9) –

• See page 98 for IC Block Diagrams. • See page 114 for IC Pin Function Description.



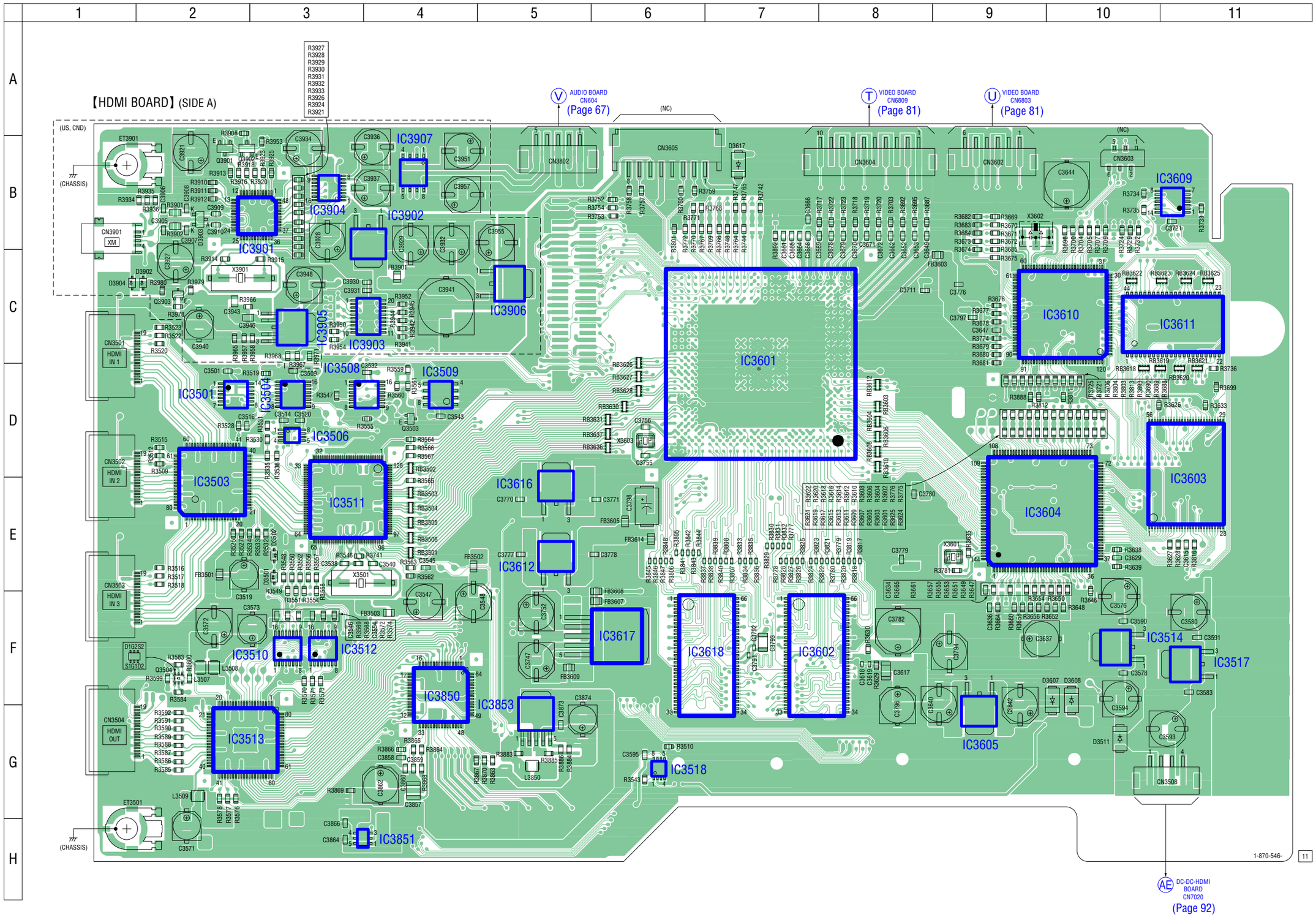
Note: When IC3509 and IC3513 on the HDMI board are damaged, exchange the new HDMI board for the HDMI board which IC damaged. When throwing away the HDMI board, be sure to throw away after destroying IC3509 and IC3513 physically with the hammer etc.

6-27. PRINTED WIRING BOARD – HDMI Board (Side A) –

• See page 39 for Circuit Boards Location. : Uses unleaded solder.

- **Semiconductor Location**

Ref. No.	Location
D3501	E-3
D3502	E-3
D3511	G-10
D3607	F-10
D3608	F-10
D3617	B-7
D3902	C-2
D3903	B-2
D3904	C-1
IC3501	D-2
IC3503	E-2
IC3504	D-3
IC3506	D-3
IC3508	D-4
IC3509	D-4
IC3510	F-3
IC3511	E-3
IC3512	F-3
IC3513	G-2
IC3514	F-10
IC3517	F-11
IC3518	G-6
IC3601	C-7
IC3602	F-7
IC3603	D-11
IC3604	E-9
IC3605	G-9
IC3609	B-11
IC3610	C-10
IC3611	C-11
IC3612	E-5
IC3616	E-5
IC3617	F-6
IC3618	F-7
IC3850	F-4
IC3851	H-3
IC3853	G-5
IC3901	B-3
IC3902	B-4
IC3903	C-4
IC3904	B-3
IC3905	C-3
IC3906	C-5
IC3907	B-4
Q3503	D-4
Q3504	F-2
Q3901	B-2
Q3902	B-2
Q3903	C-2

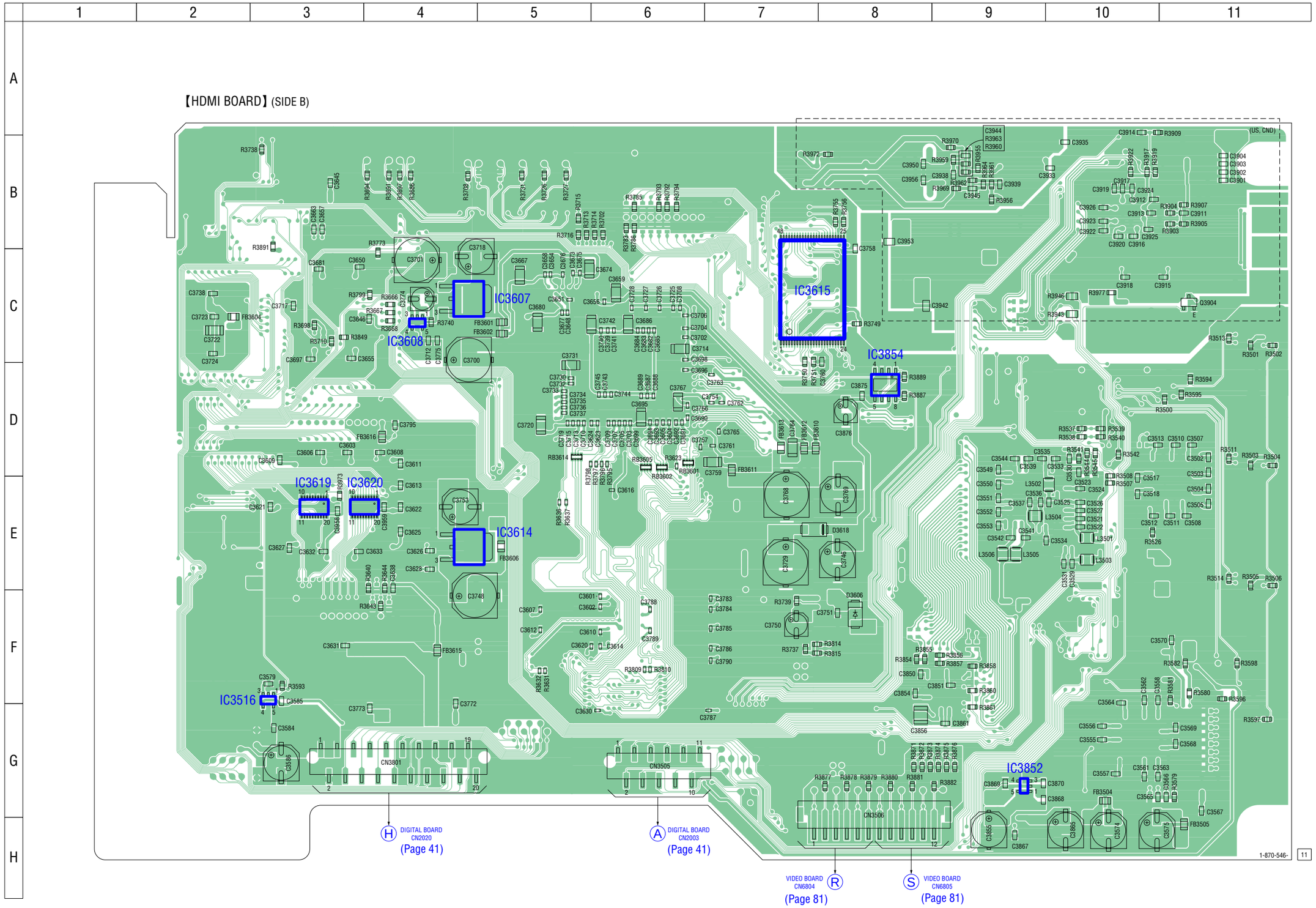


Note: When IC3509 and IC3513 on the HDMI board are damaged, exchange the new HDMI board for the HDMI board which IC damaged. When throwing away the HDMI board, be sure to throw away after destroying IC3509 and IC3513 physically with the hammer etc.

6-28. PRINTED WIRING BOARD – HDMI Board (Side B) –

• See page 39 for Circuit Boards Location. : Uses unleaded solder.

【HDMI BOARD】(SIDE B)



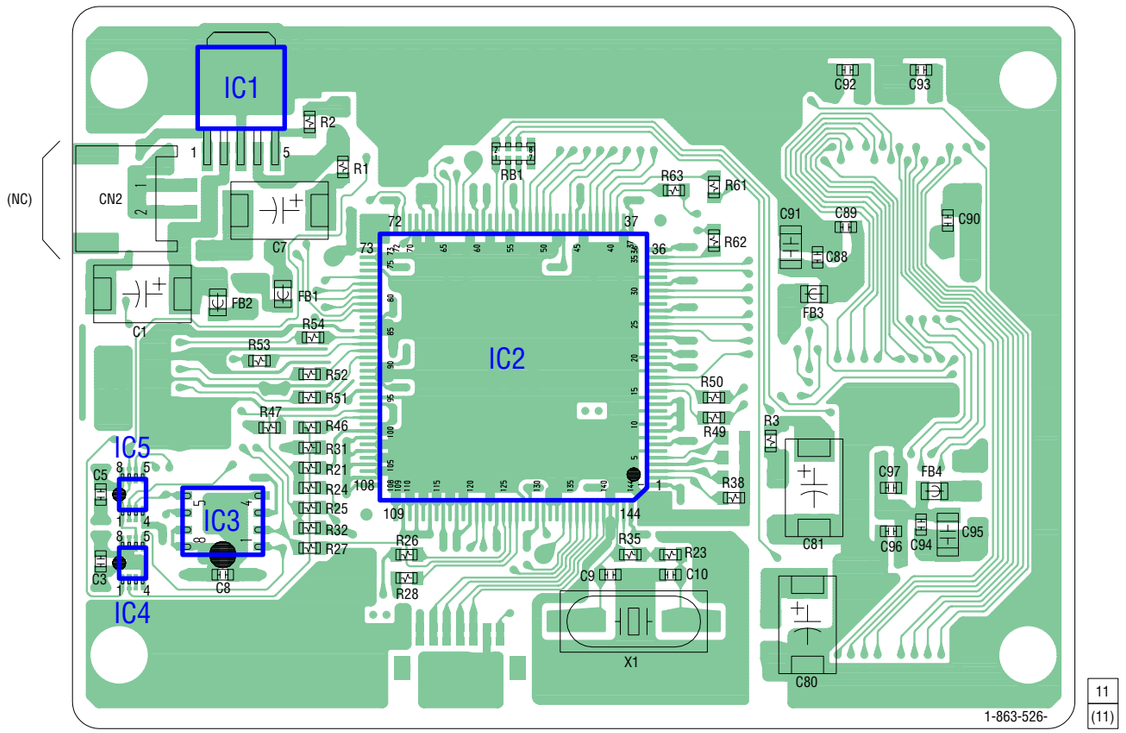
• Semiconductor Location

Ref. No.	Location
D3606	F-8
D3618	E-7
IC3516	F-3
IC3607	C-4
IC3608	C-4
IC3614	E-4
IC3615	C-7
IC3619	E-3
IC3620	E-4
IC3852	G-9
IC3854	D-8
Q3904	C-11

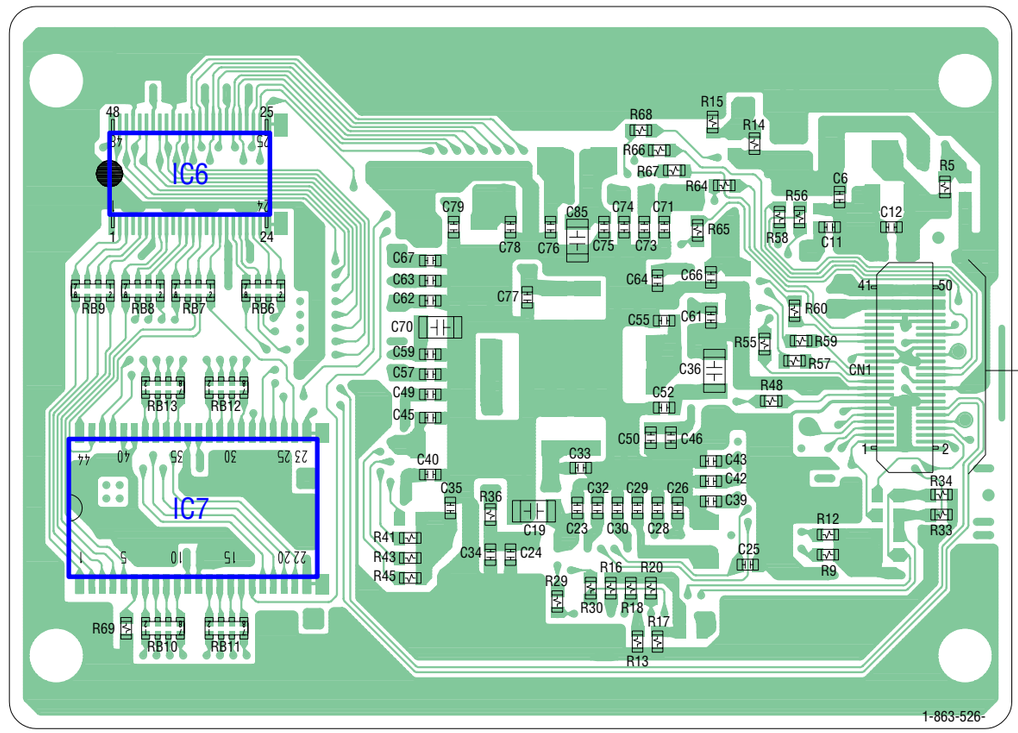
6-29. PRINTED WIRING BOARD – DSP Board –

• See page 39 for Circuit Boards Location. : Uses unleaded solder.

【DSP BOARD】(SIDE A)



【DSP BOARD】(SIDE B)

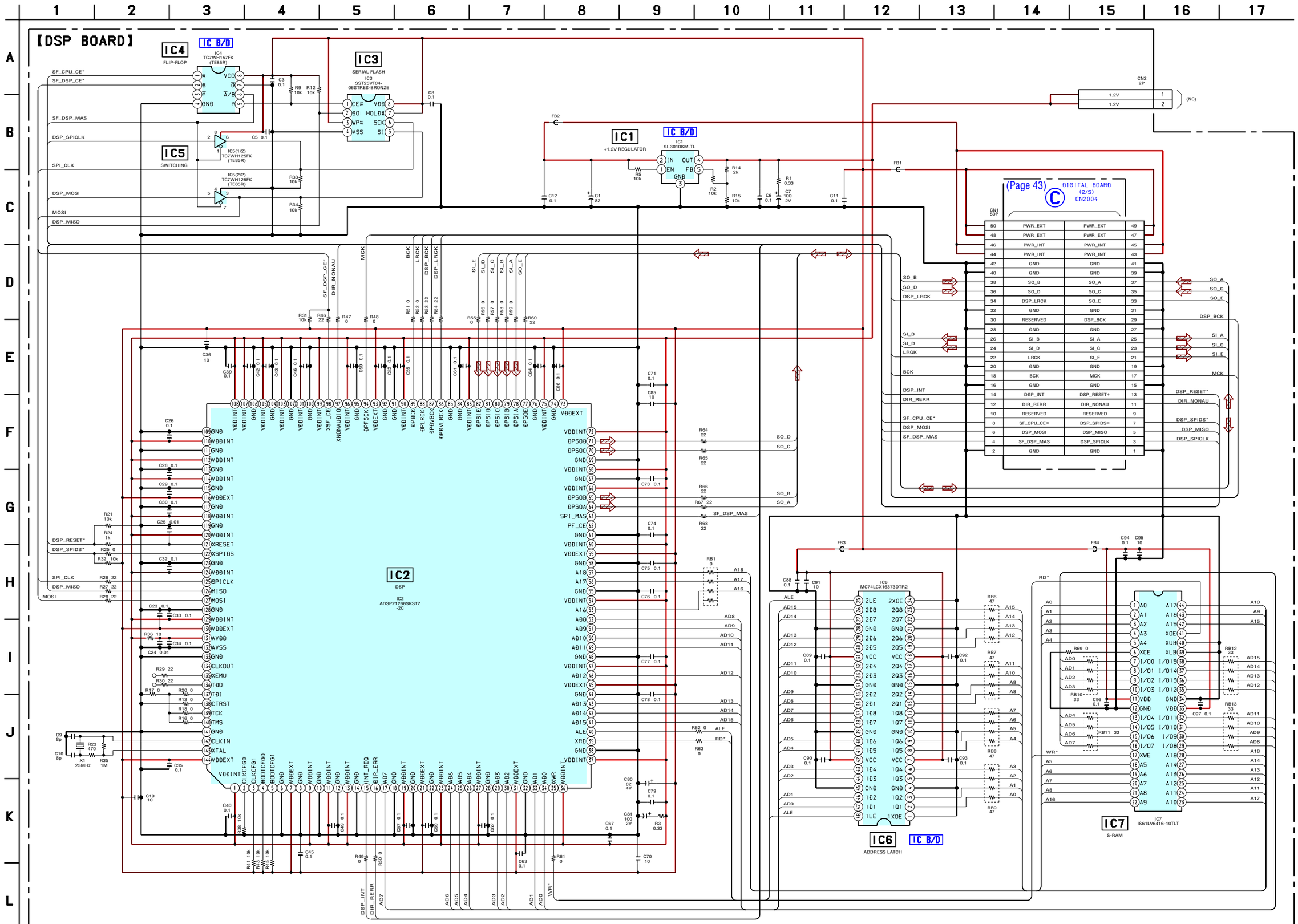


- **Semiconductor Location**

Ref. No.	Location
IC1	B-2
IC2	C-4
IC3	D-2
IC4	D-2
IC5	D-2
IC6	B-9
IC7	D-9

6-30. SCHEMATIC DIAGRAM – DSP Board –

• See page 98 for IC Block Diagrams. • See page 114 for IC Pin Function Description.

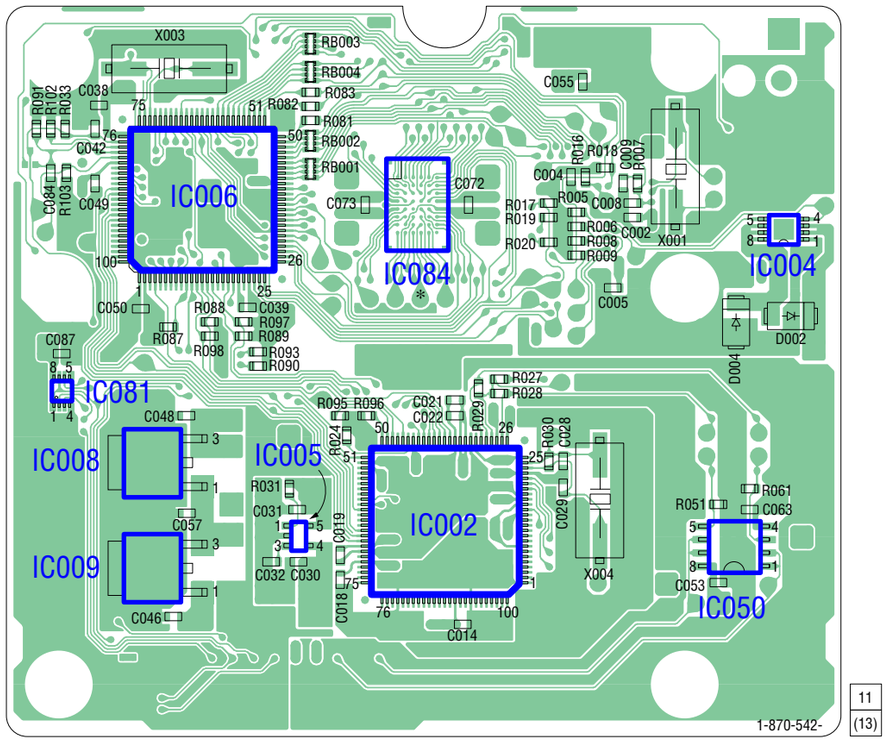


6-31. PRINTED WIRING BOARD – USB Board –

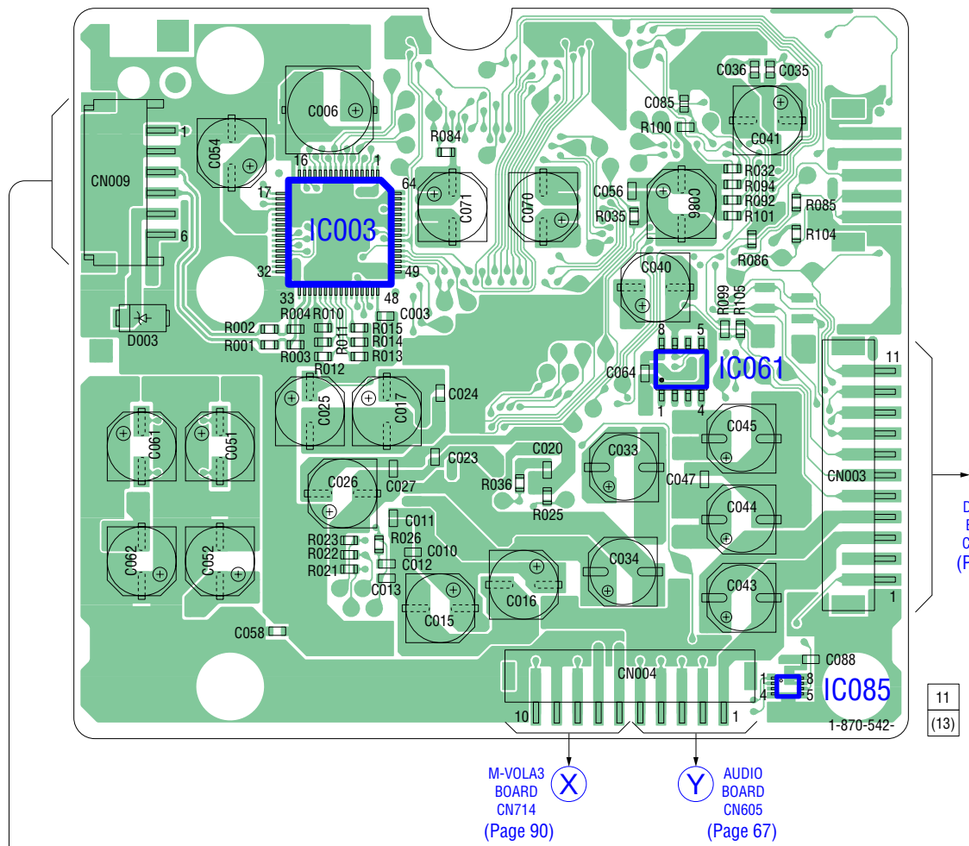
• See page 39 for Circuit Boards Location.

: Uses unleaded solder.

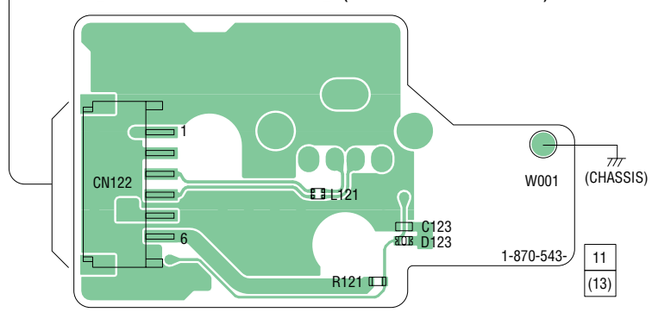
【USB BOARD】(SIDE A)



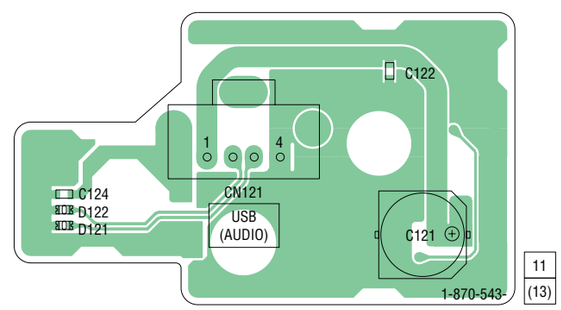
【USB BOARD】(SIDE B)



【USB CONNECTOR】(COMPONENT SIDE)



【USB CONNECTOR】(CONDUCTOR SIDE)

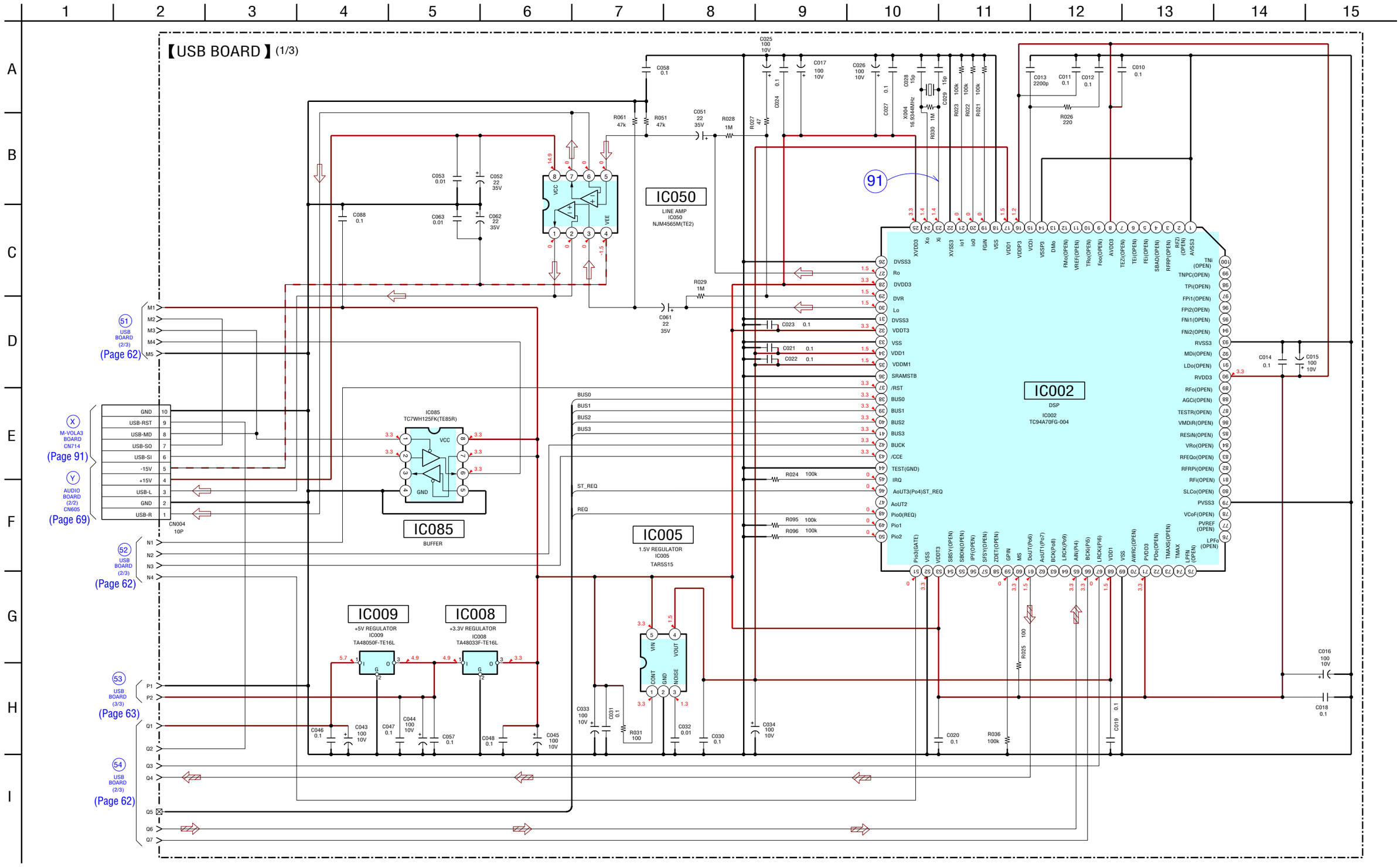


- **Semiconductor Location**

Ref. No.	Location
D002	B-4
D003	B-5
D004	B-4
D121	E-7
D122	E-7
D123	E-6
IC002	C-2
IC003	B-6
IC004	B-4
IC005	C-2
IC006	B-2
IC008	C-1
IC009	C-1
IC050	C-4
IC061	B-7
IC081	B-1
IC084	B-2
IC085	D-7

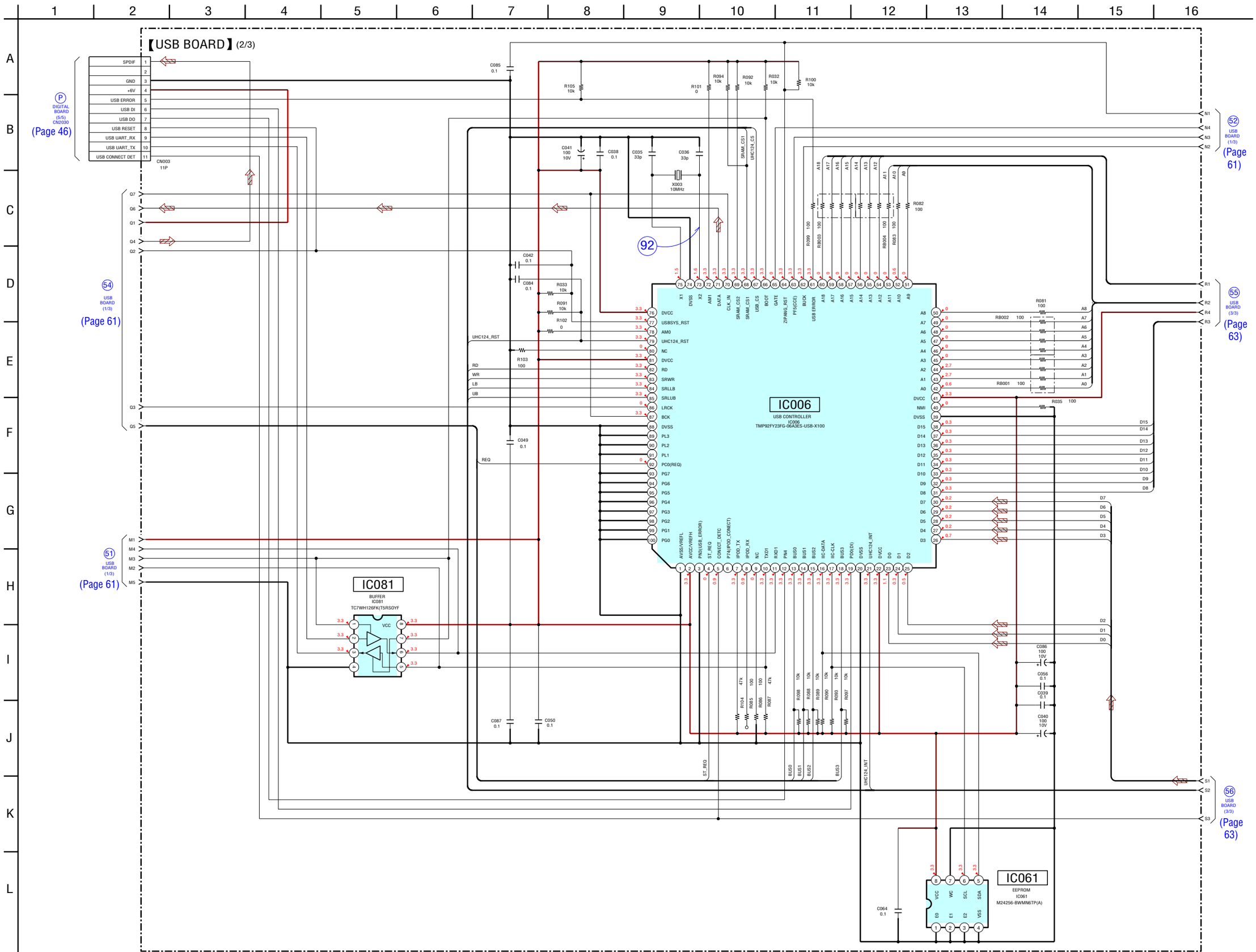
6-32. SCHEMATIC DIAGRAM – USB Board (1/3) –

• See page 95 for Waveforms. • See page 114 for IC Pin Function Description.



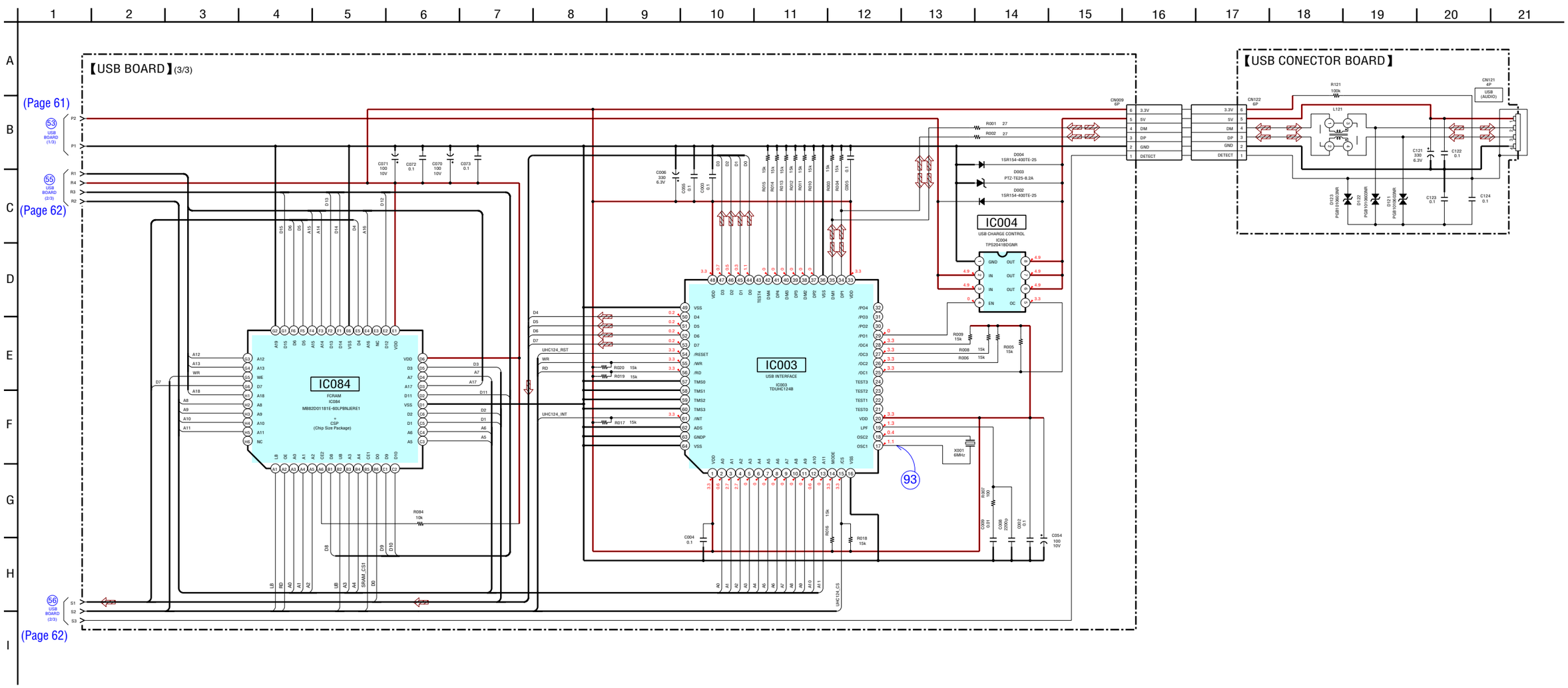
6-33. SCHEMATIC DIAGRAM – USB Board (2/3) –

• See page 95 for Waveforms. • See page 114 for IC Pin Function Description.



6-34. SCHEMATIC DIAGRAM – USB Board (3/3) –

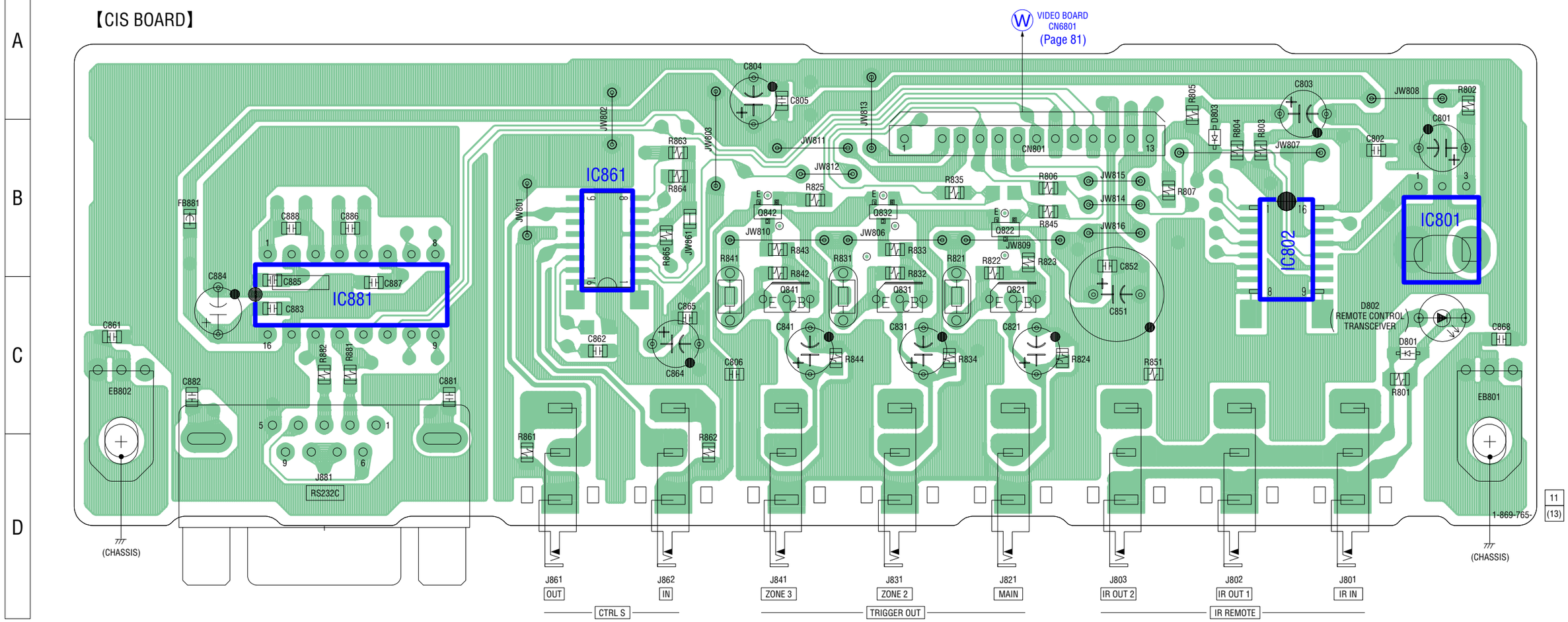
• See page 95 for Waveforms. • See page 114 for IC Pin Function Description.



6-35. PRINTED WIRING BOARD – CIS Board –

• See page 39 for Circuit Boards Location. : Uses unleaded solder.

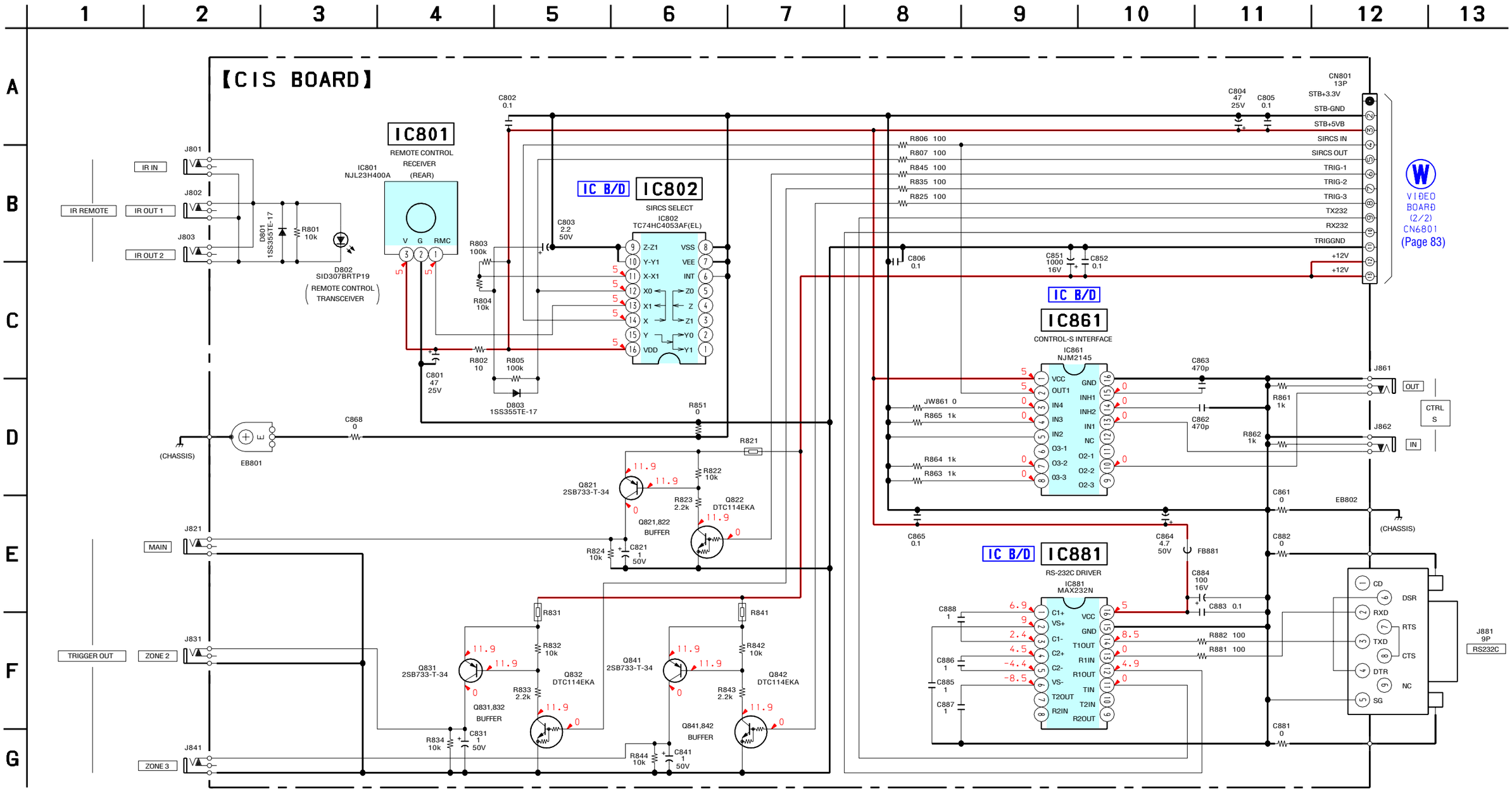
【CIS BOARD】



- **Semiconductor Location**

Ref. No.	Location
D801	C-9
D802	C-9
D803	A-8
IC801	B-9
IC802	B-8
IC861	B-4
IC881	C-3
Q821	C-7
Q822	B-7
Q831	C-6
Q832	B-6
Q841	C-5
Q842	B-5

6-36. SCHEMATIC DIAGRAM – CIS Board – • See page 98 for IC Block Diagrams.



6-37. PRINTED WIRING BOARD – AUDIO Board (Component Side) –

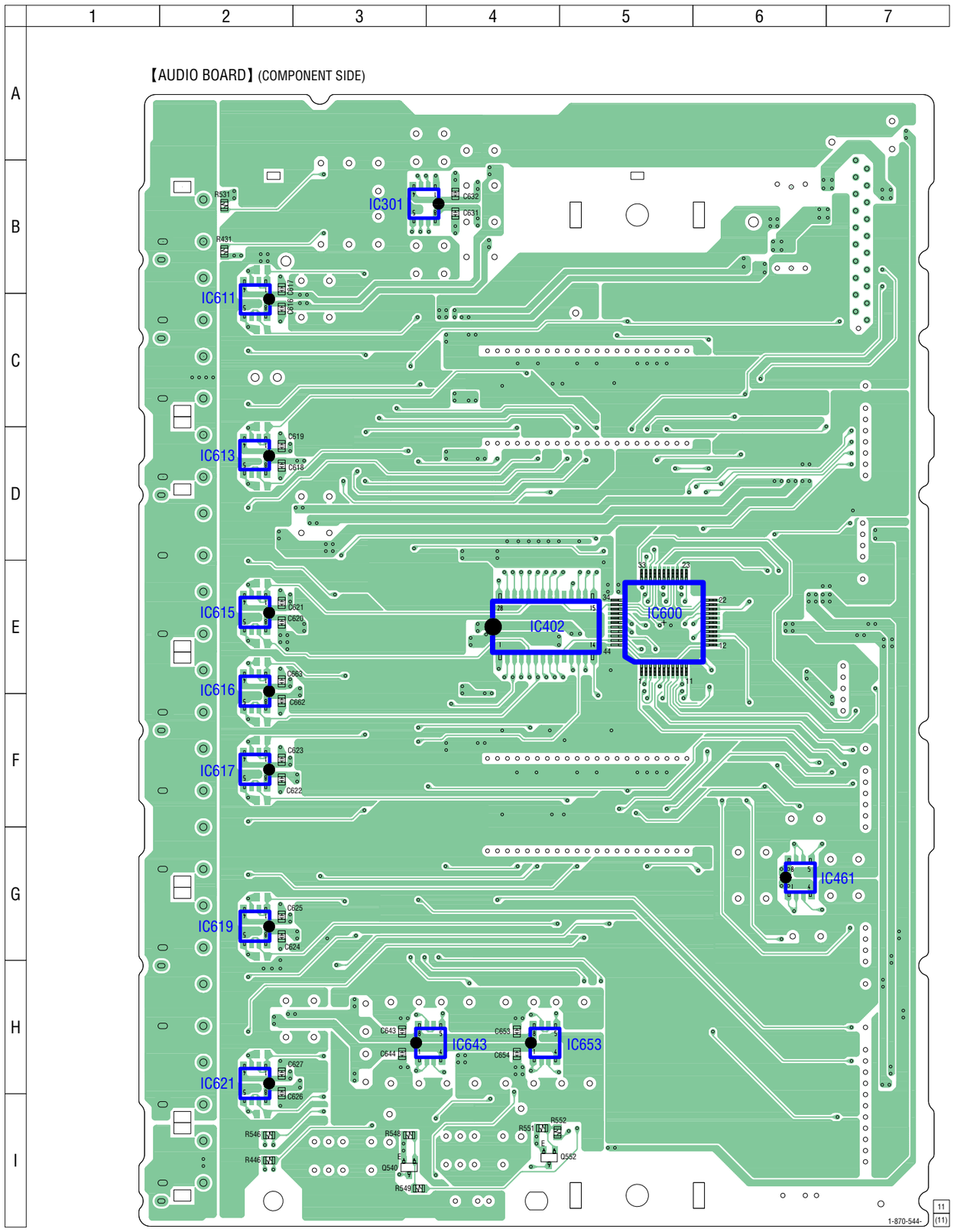
• See page 39 for Circuit Boards Location.

: Uses unleaded solder.

• **Semiconductor Location**

Ref. No.	Location
IC301	B-3
IC402	E-4
IC461	G-6
IC600	E-5
IC611	C-2
IC613	D-2
IC615	E-2
IC616	E-2
IC617	F-2
IC619	G-2
IC621	H-2
IC643	H-4
IC653	H-4
Q540	I-3
Q552	I-4

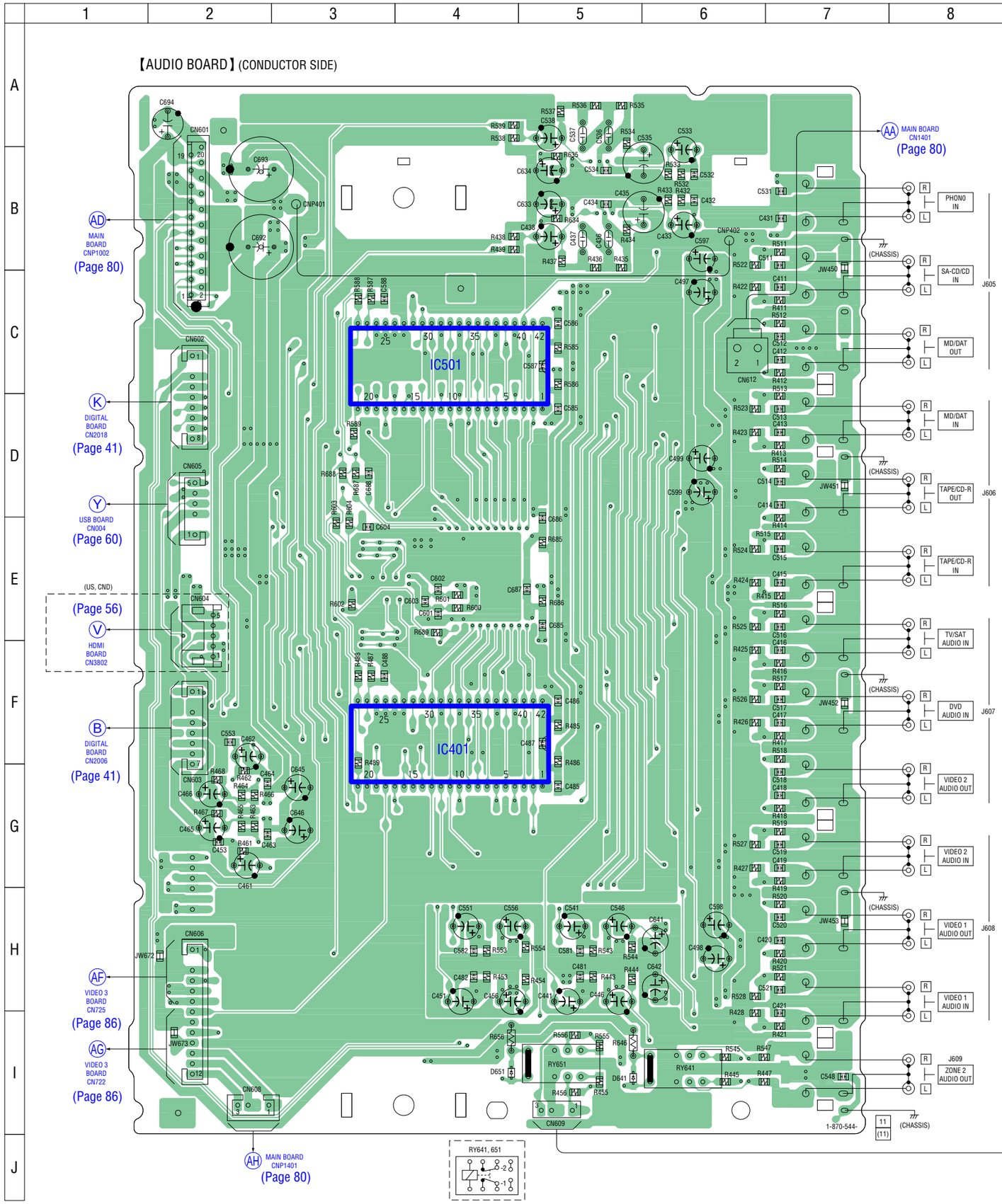
【AUDIO BOARD】(COMPONENT SIDE)



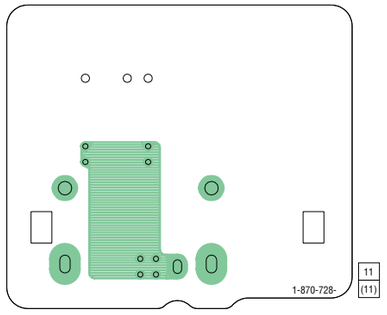
6-38. PRINTED WIRING BOARD – AUDIO Board (Conductor Side) –

• See page 39 for Circuit Boards Location. : Uses unleaded solder.

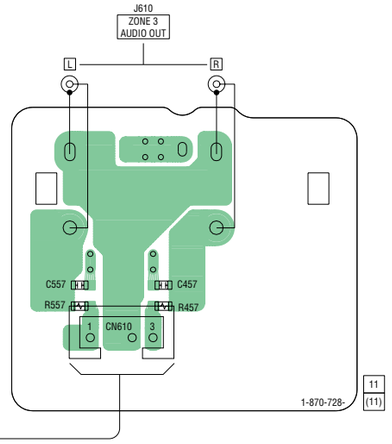
【AUDIO BOARD】(CONDUCTOR SIDE)



【ZONE3 BOARD】(COMPONENT SIDE)



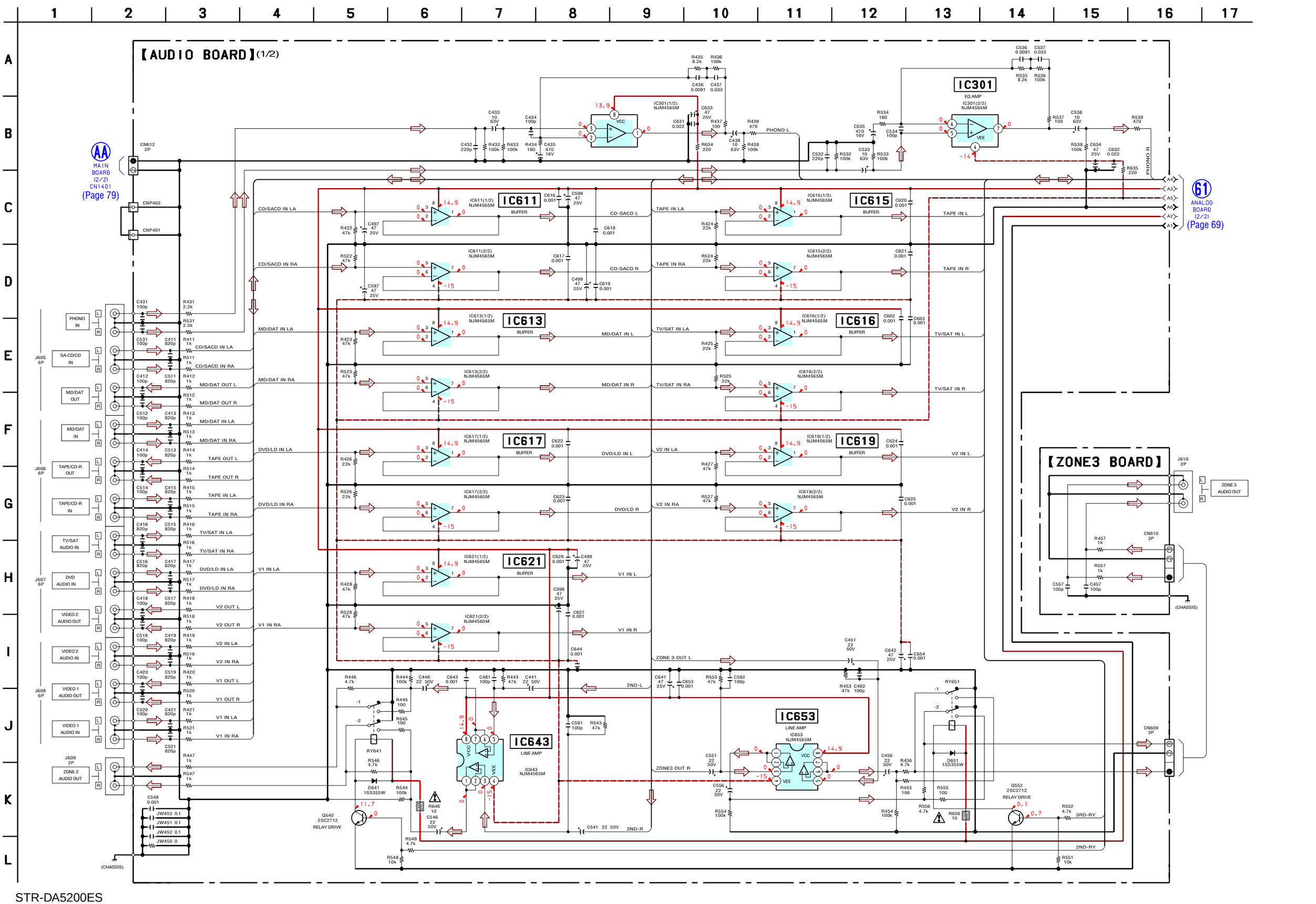
【ZONE3 BOARD】(CONDUCTOR SIDE)



- **Semiconductor Location**

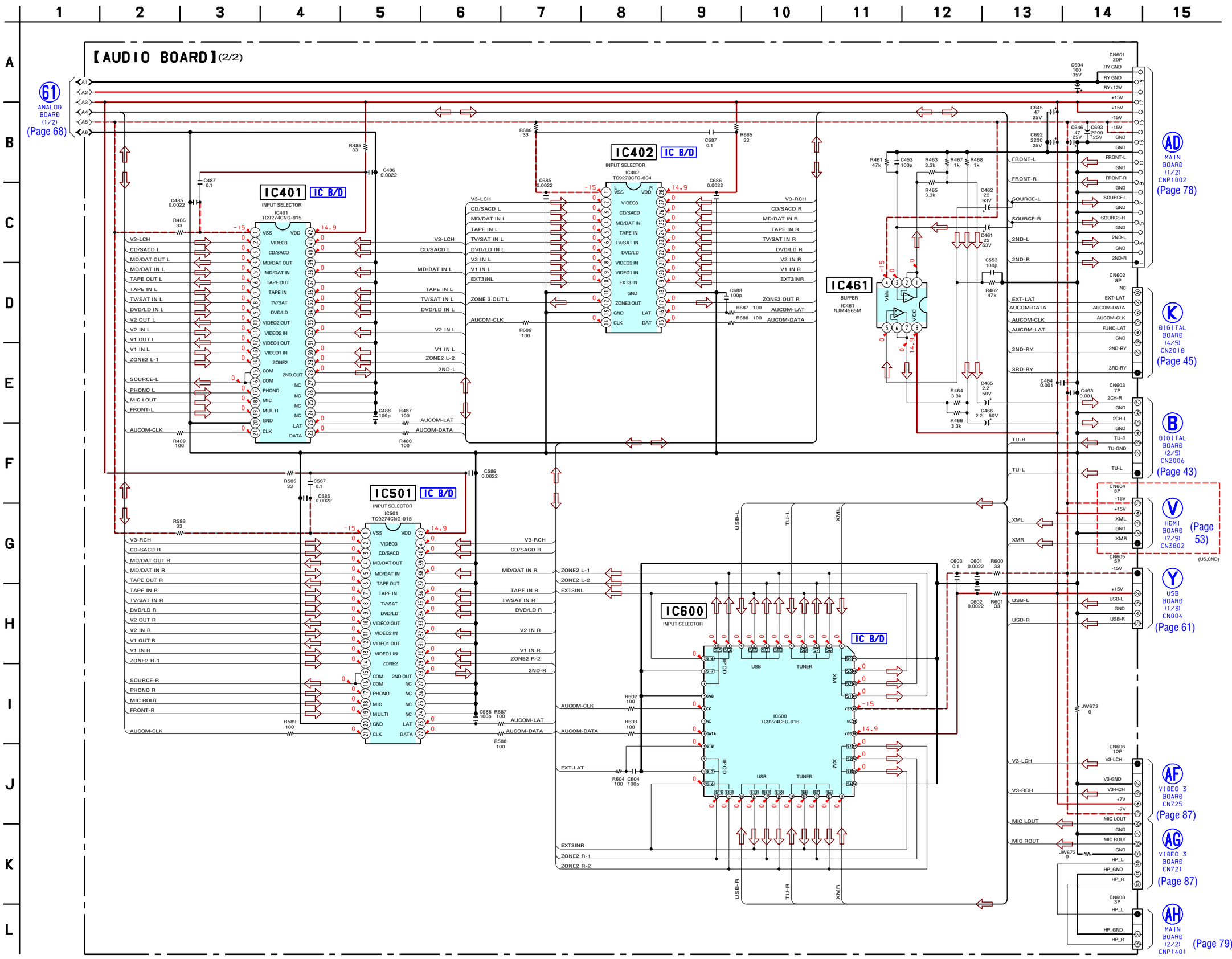
Ref. No.	Location
D641	I-5
D651	I-4
IC401	F-4
IC501	C-4

6-39. SCHEMATIC DIAGRAM – AUDIO Board (1/2) –



6-40. SCHEMATIC DIAGRAM – AUDIO Board (2/2) –

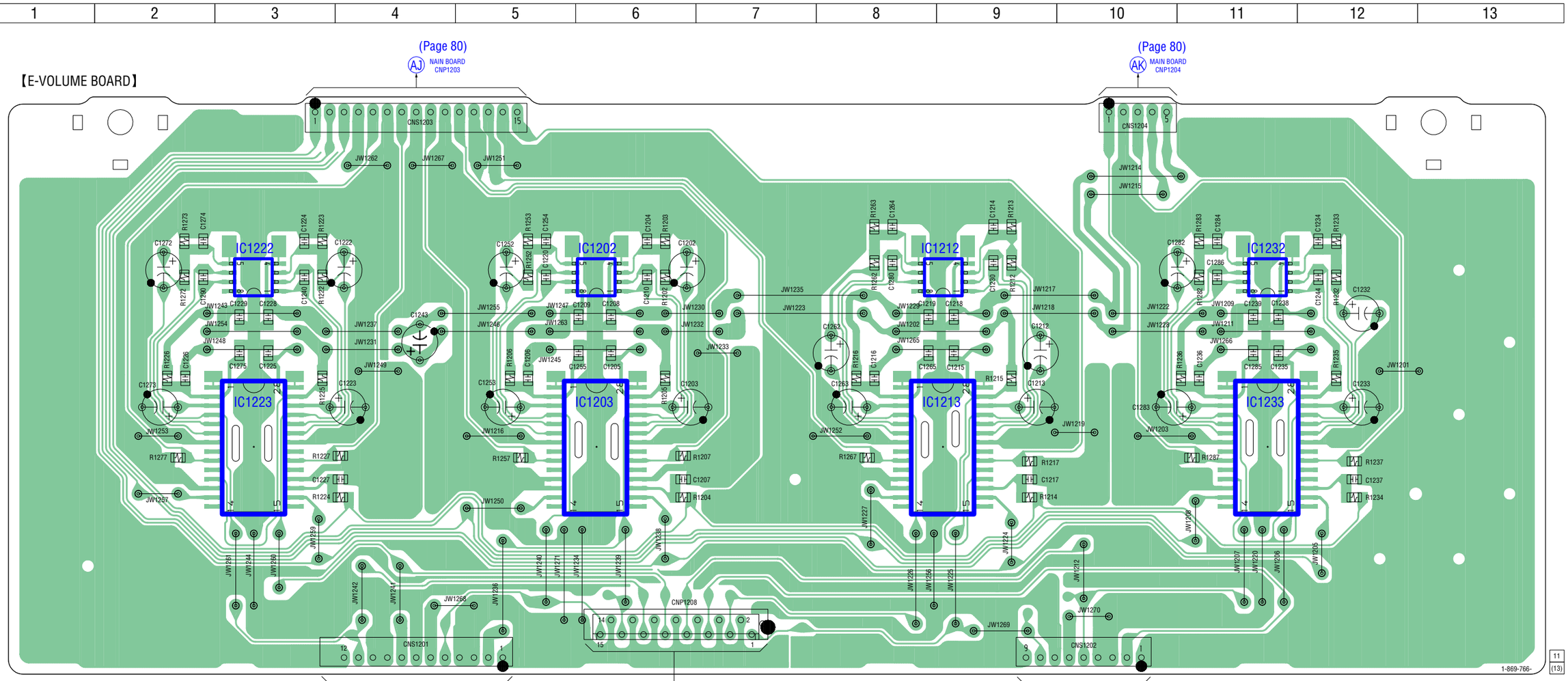
• See page 98 for IC Block Diagrams.



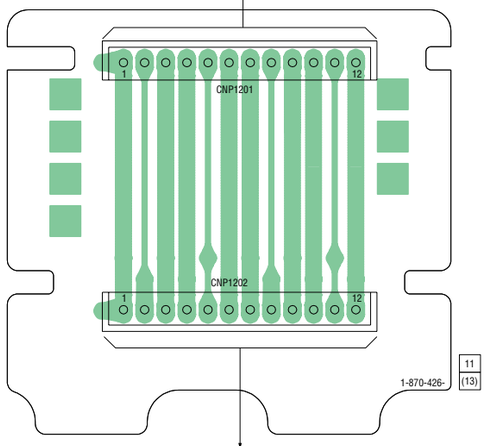
6-41. PRINTED WIRING BOARDS – E-VOLUME Section –

• See page 39 for Circuit Boards Location. : Uses unleaded solder.

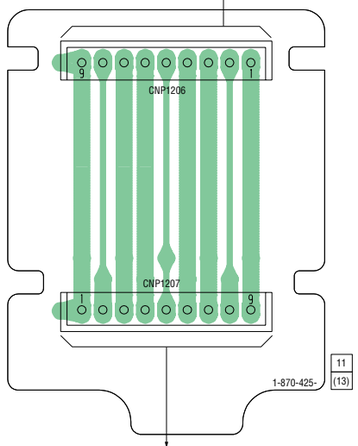
【E-VOLUME BOARD】



【CONNECTOR R BOARD】



【CONNECTOR L BOARD】

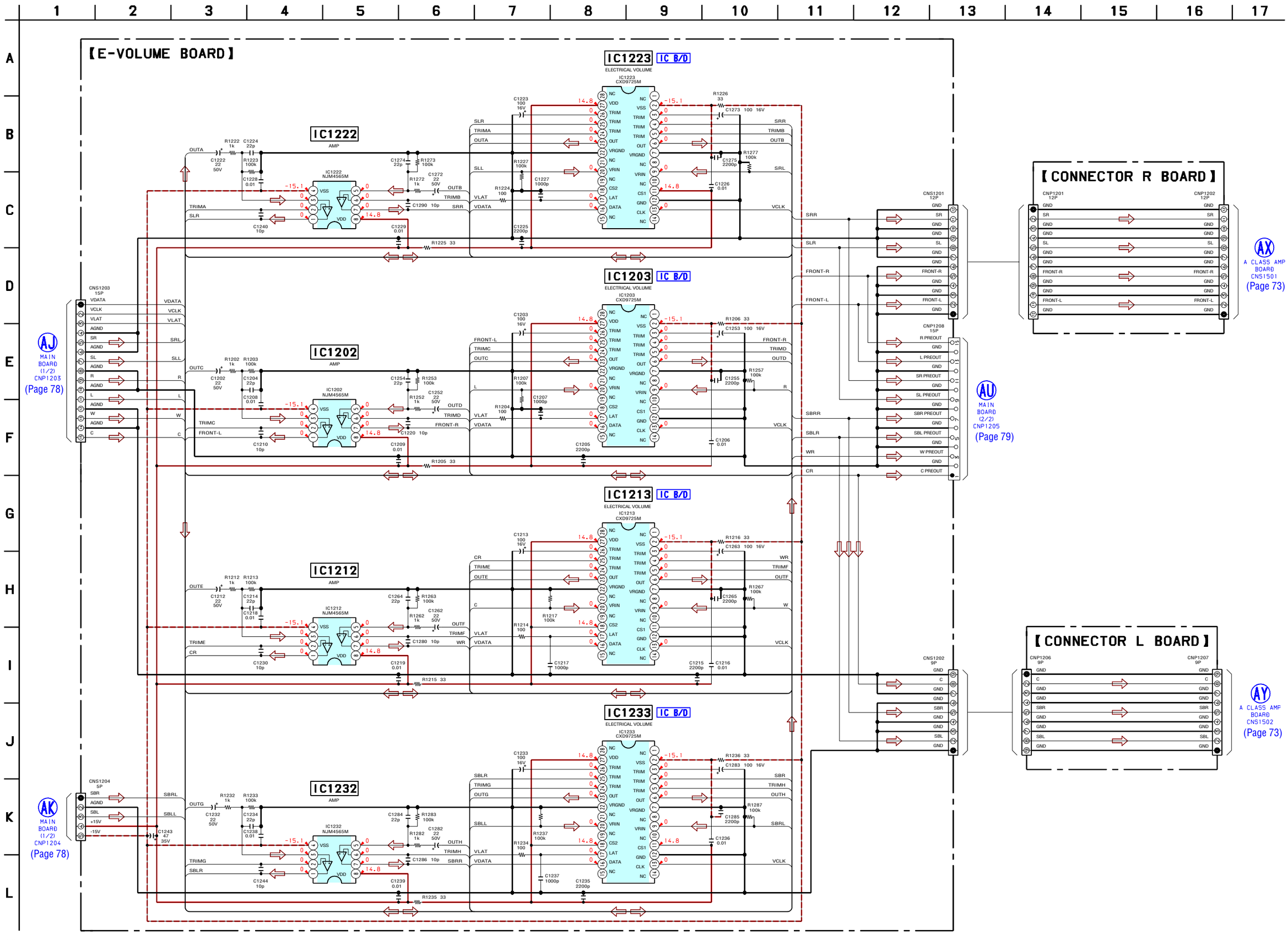


- **Semiconductor Location**

Ref. No.	Location
IC1202	C-6
IC1203	D-6
IC1212	C-9
IC1213	D-9
IC1222	C-3
IC1223	D-3
IC1232	C-11
IC1233	D-11

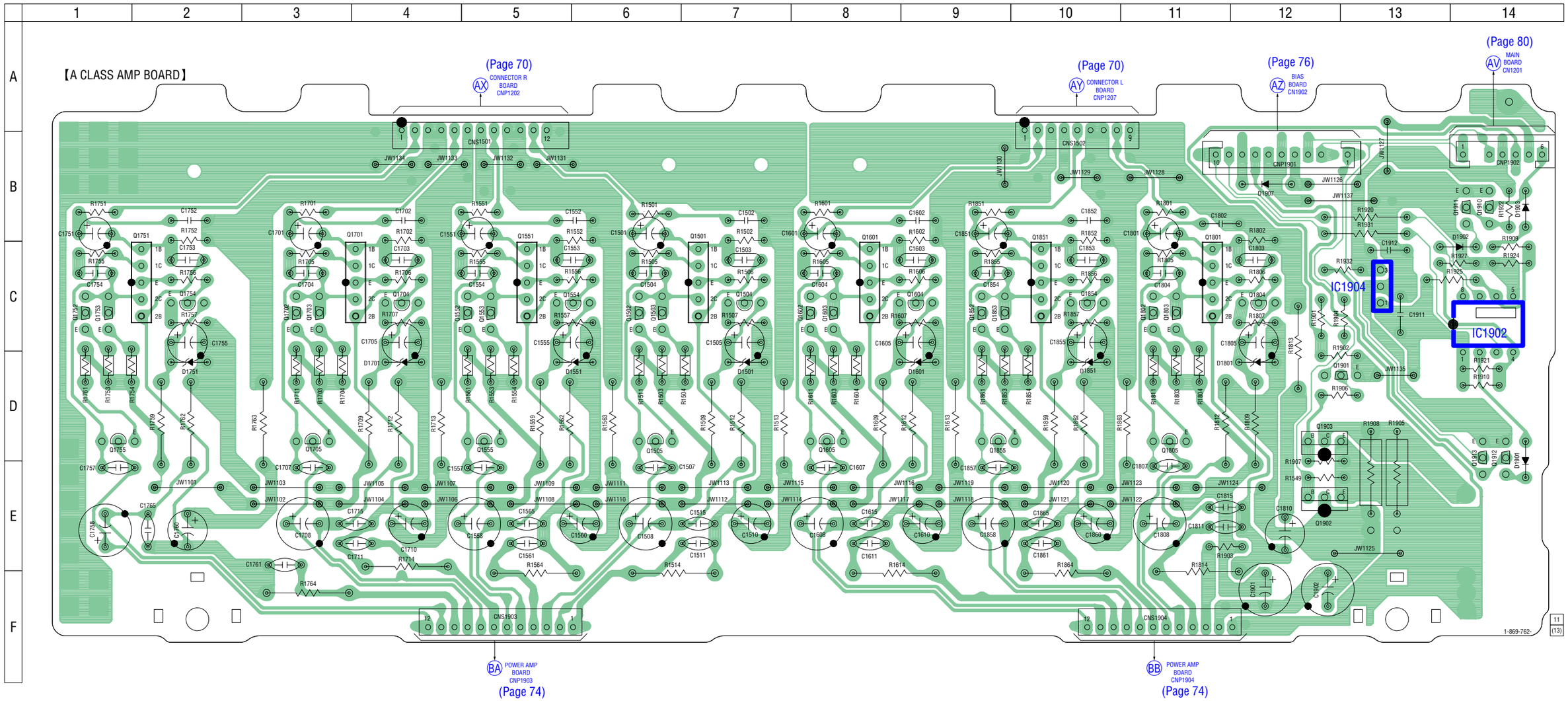
6-42. SCHEMATIC DIAGRAM – E-VOLUME Section –

• See page 98 for IC Block Diagrams.



6-43. PRINTED WIRING BOARD – A CLASS AMP Board –

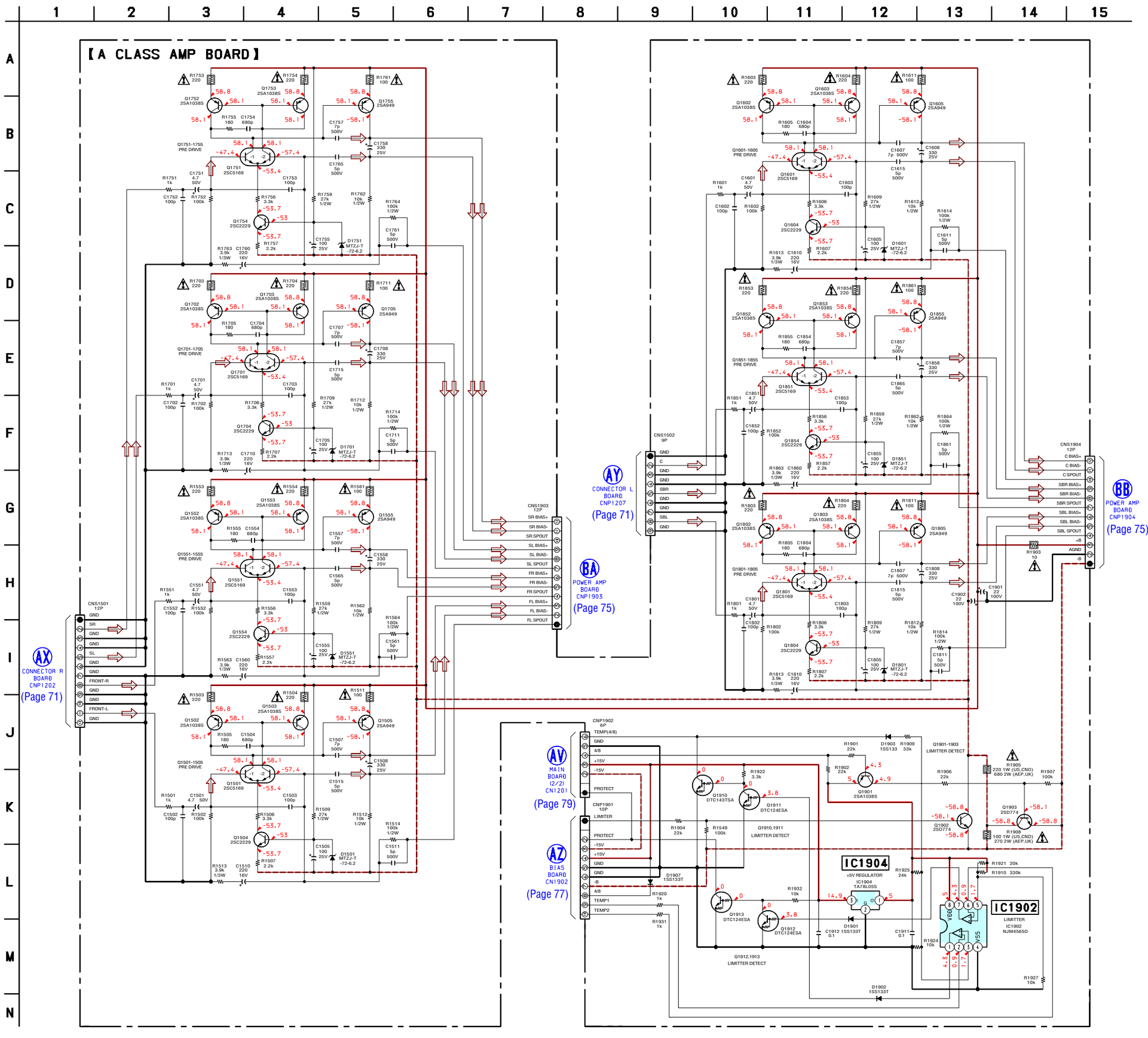
• See page 39 for Circuit Boards Location. : Uses unleaded solder.



• **Semiconductor Location**

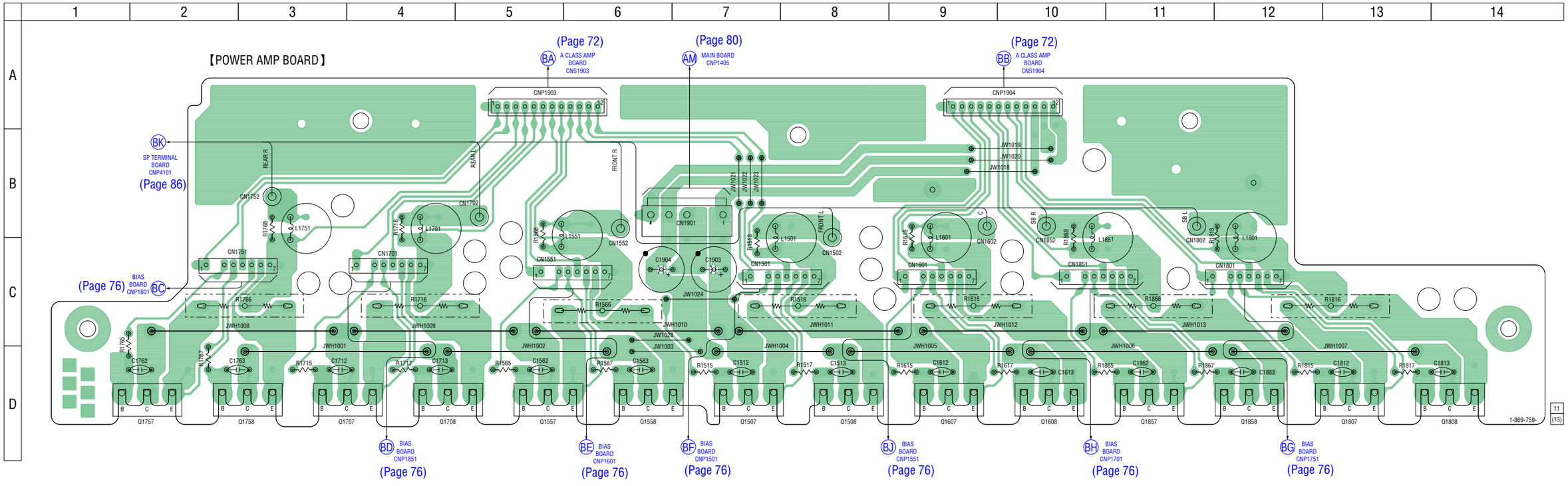
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D1501	D-7	Q1505	D-6	Q1754	C-2
D1551	D-6	Q1551	C-5	Q1755	D-1
D1601	D-9	Q1552	C-5	Q1801	C-11
D1701	D-4	Q1553	C-5	Q1802	C-11
D1751	D-2	Q1554	C-6	Q1803	C-11
D1801	D-12	Q1555	D-5	Q1804	C-12
D1851	D-10	Q1601	C-8	Q1805	D-11
D1901	D-14	Q1602	C-8	Q1851	C-10
D1902	C-14	Q1603	C-8	Q1852	C-9
D1903	B-14	Q1604	C-9	Q1853	C-9
D1907	B-12	Q1605	D-8	Q1854	C-10
		Q1701	C-4	Q1855	D-9
IC1902	C-14	Q1702	C-3	Q1901	D-13
IC1904	C-13	Q1703	C-3	Q1902	E-12
		Q1704	C-4	Q1903	D-12
Q1501	C-7	Q1705	D-3	Q1910	B-14
Q1502	C-6	Q1751	C-2	Q1911	B-14
Q1503	C-6	Q1752	C-1	Q1912	D-14
Q1504	C-7	Q1753	C-1	Q1913	D-14

6-44. SCHEMATIC DIAGRAM – A CLASS AMP Board –

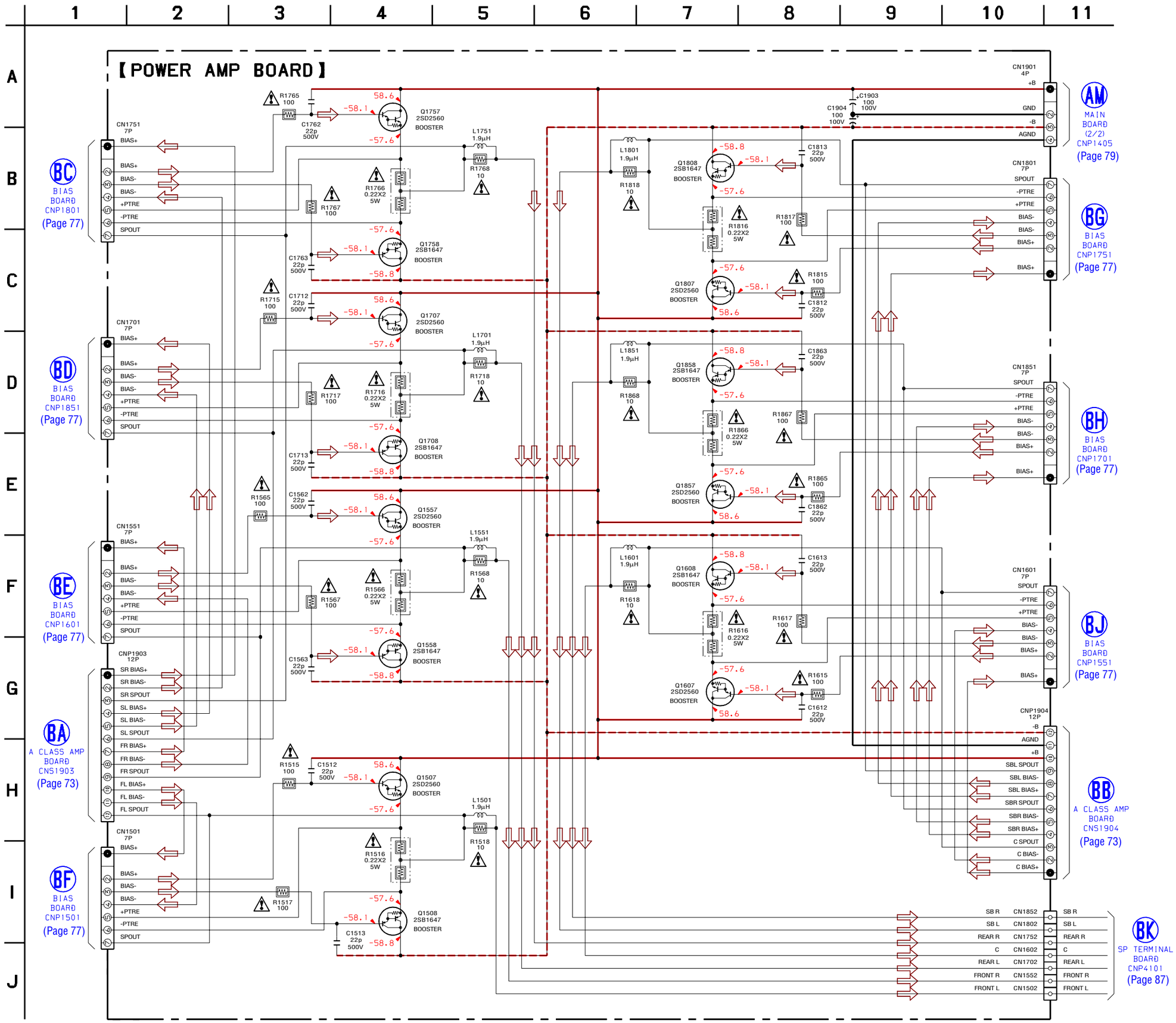


6-45. PRINTED WIRING BOARD – POWER AMP Board –

• See page 39 for Circuit Boards Location. : Uses unleaded solder.

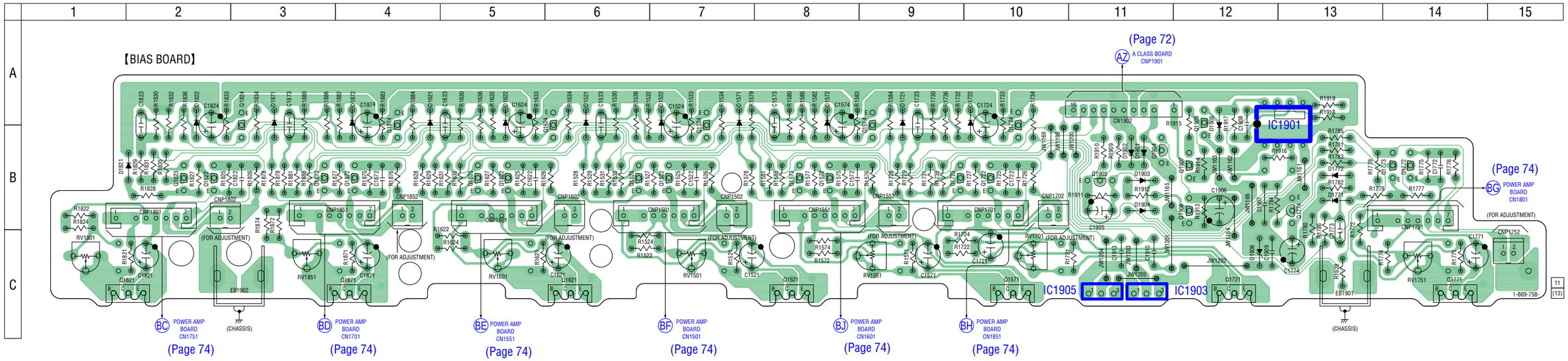


6-46. SCHEMATIC DIAGRAM – POWER AMP Board –



6-47. PRINTED WIRING BOARD – BIAS Board –

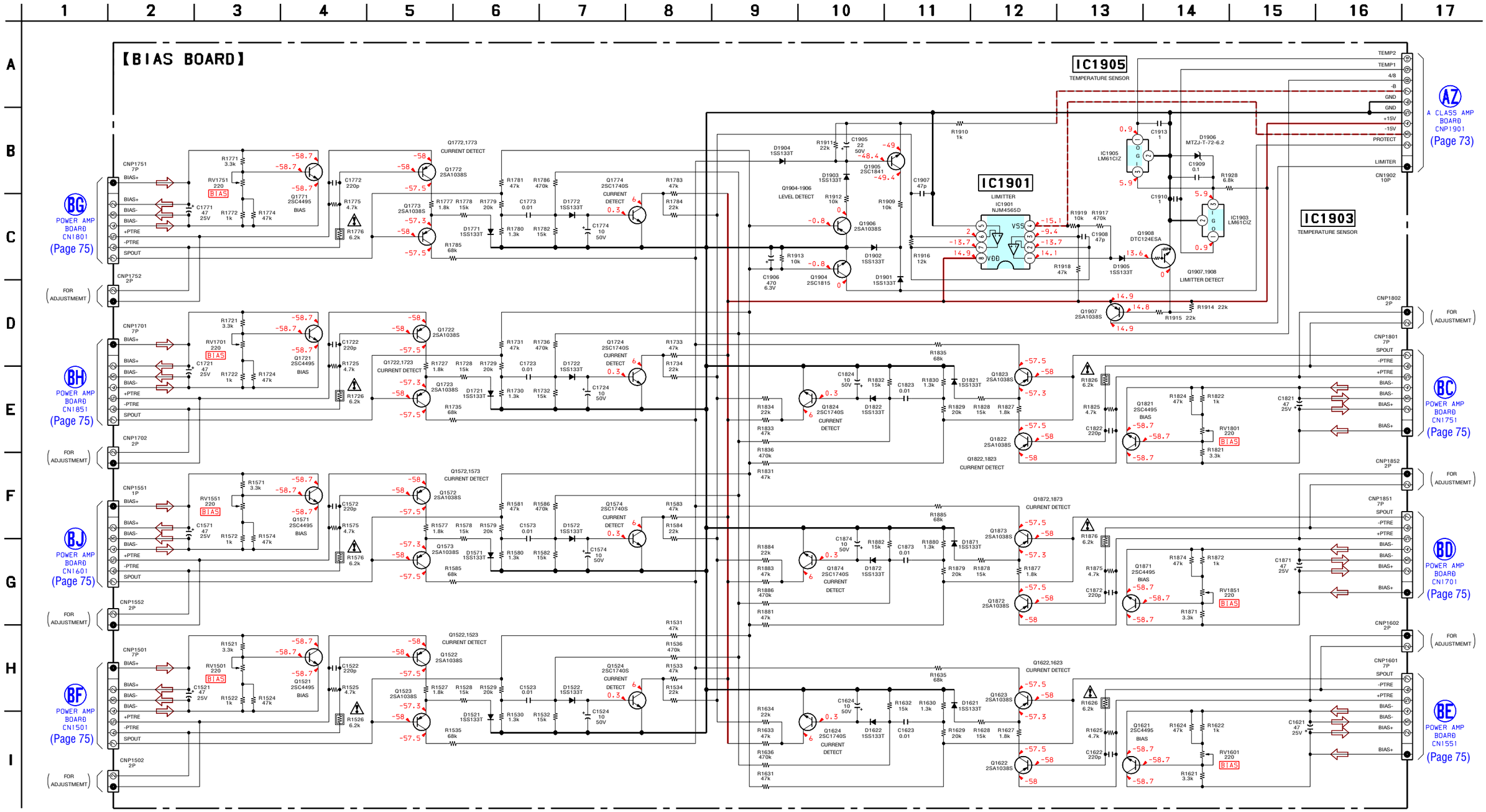
• See page 39 for Circuit Boards Location. : Uses unleaded solder.



• **Semiconductor Location**

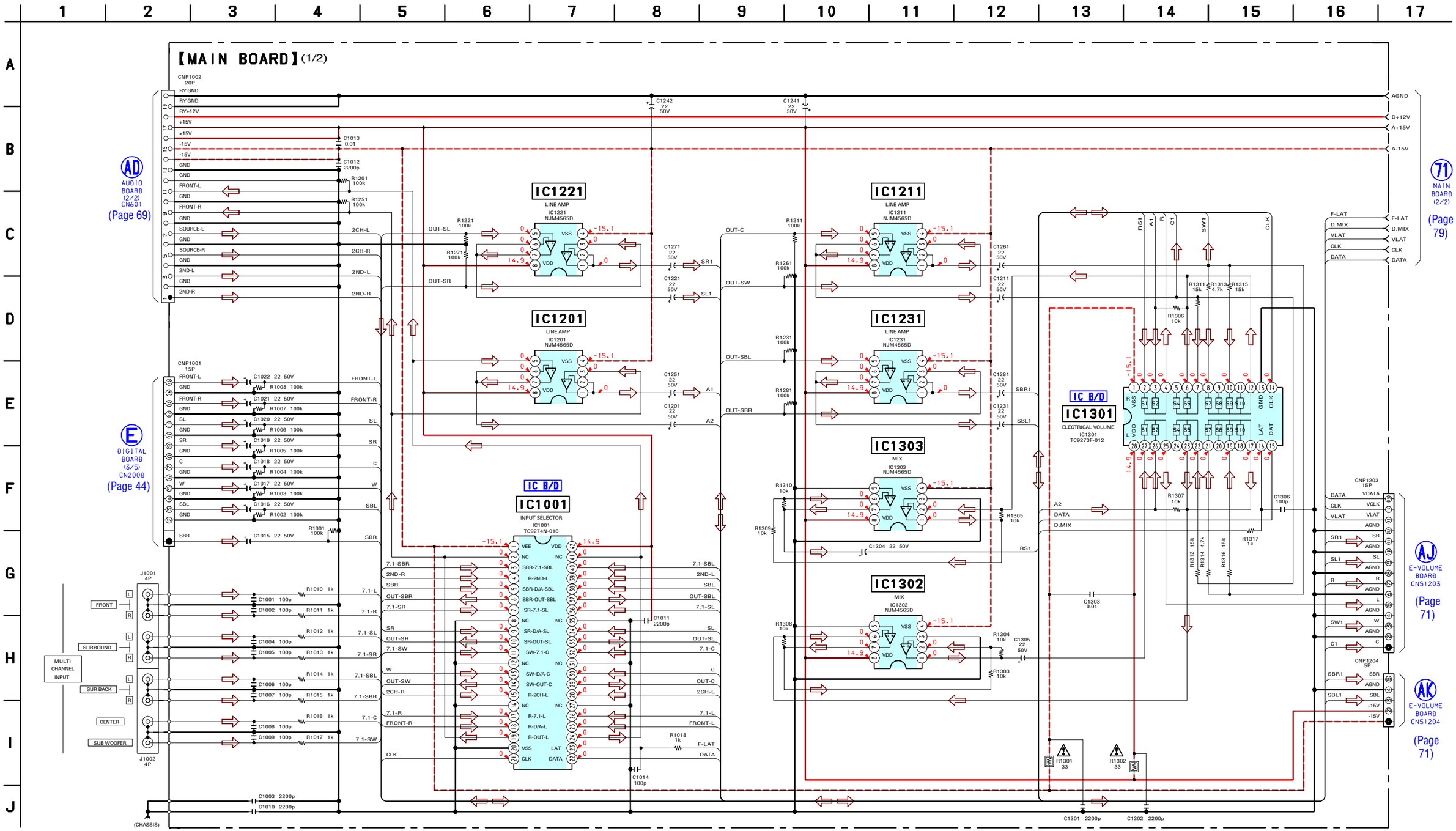
Ref. No.	Location	Ref. No.	Location
D1521	A-6	Q1571	C-10
D1522	A-7	Q1572	B-8
D1571	A-7	Q1573	B-8
D1572	A-8	Q1574	B-9
D1621	A-4	Q1621	C-6
D1622	A-5	Q1622	B-5
D1721	A-9	Q1623	B-5
D1722	A-10	Q1624	B-6
D1771	B-13	Q1721	C-12
D1772	B-13	Q1722	B-10
D1821	B-2	Q1723	B-9
D1822	A-2	Q1724	B-10
D1871	A-3	Q1771	C-14
D1872	A-4	Q1772	B-14
D1901	B-11	Q1773	B-14
D1902	B-11	Q1774	B-13
D1903	B-11	Q1821	C-2
D1904	B-11	Q1822	B-2
D1905	A-12	Q1823	B-2
D1906	C-12	Q1824	B-3
		Q1871	C-4
IC1901	A-13	Q1872	B-4
IC1903	C-11	Q1873	B-3
IC1905	C-11	Q1874	B-4
		Q1904	B-11
Q1521	C-8	Q1905	B-11
Q1522	B-7	Q1906	B-12
Q1523	B-6	Q1907	B-12
Q1524	B-7	Q1908	B-12

6-48. SCHEMATIC DIAGRAM – BIAS Board –

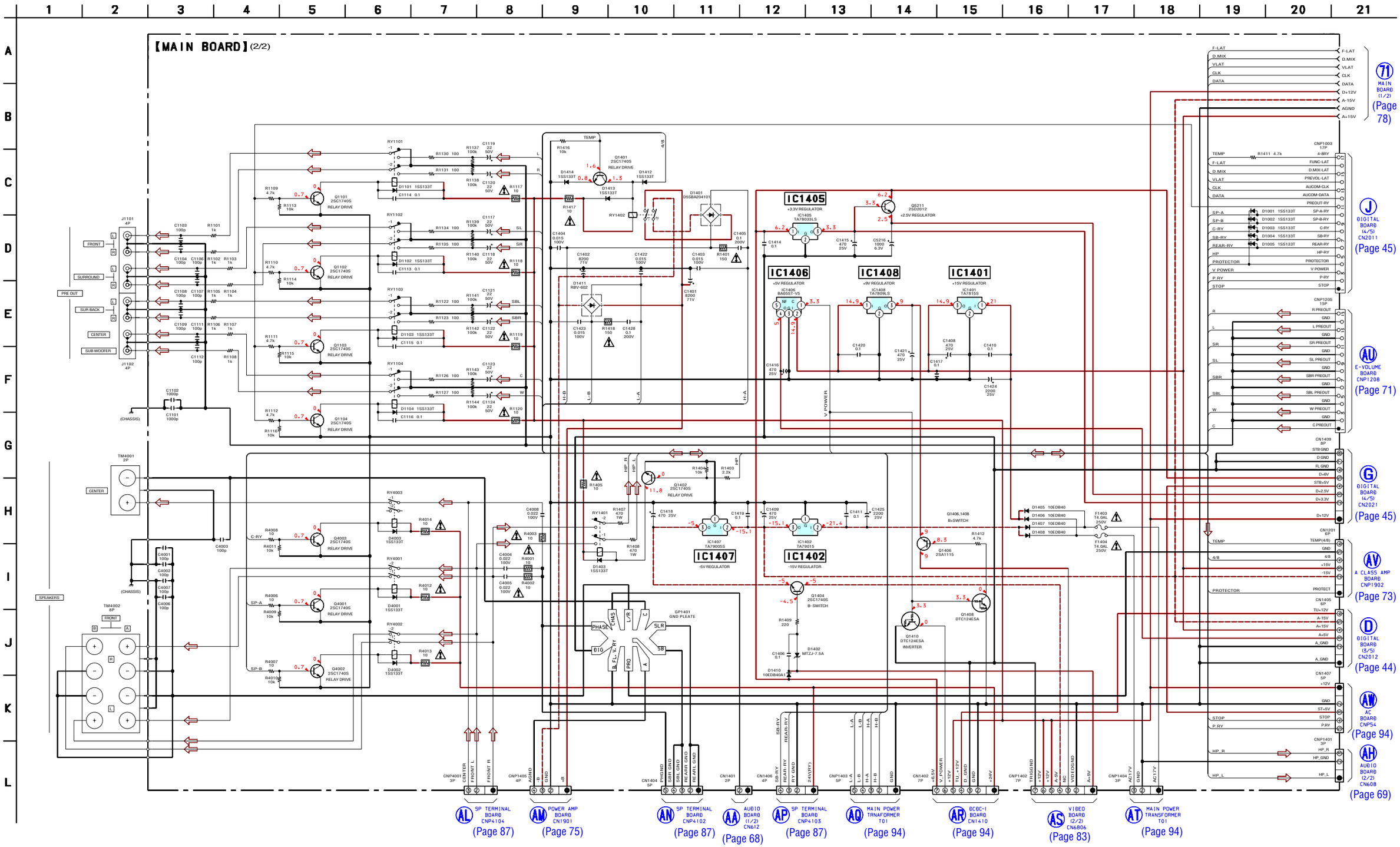


6-49. SCHEMATIC DIAGRAM – MAIN Board (1/2) –

• See page 98 for IC Block Diagrams.

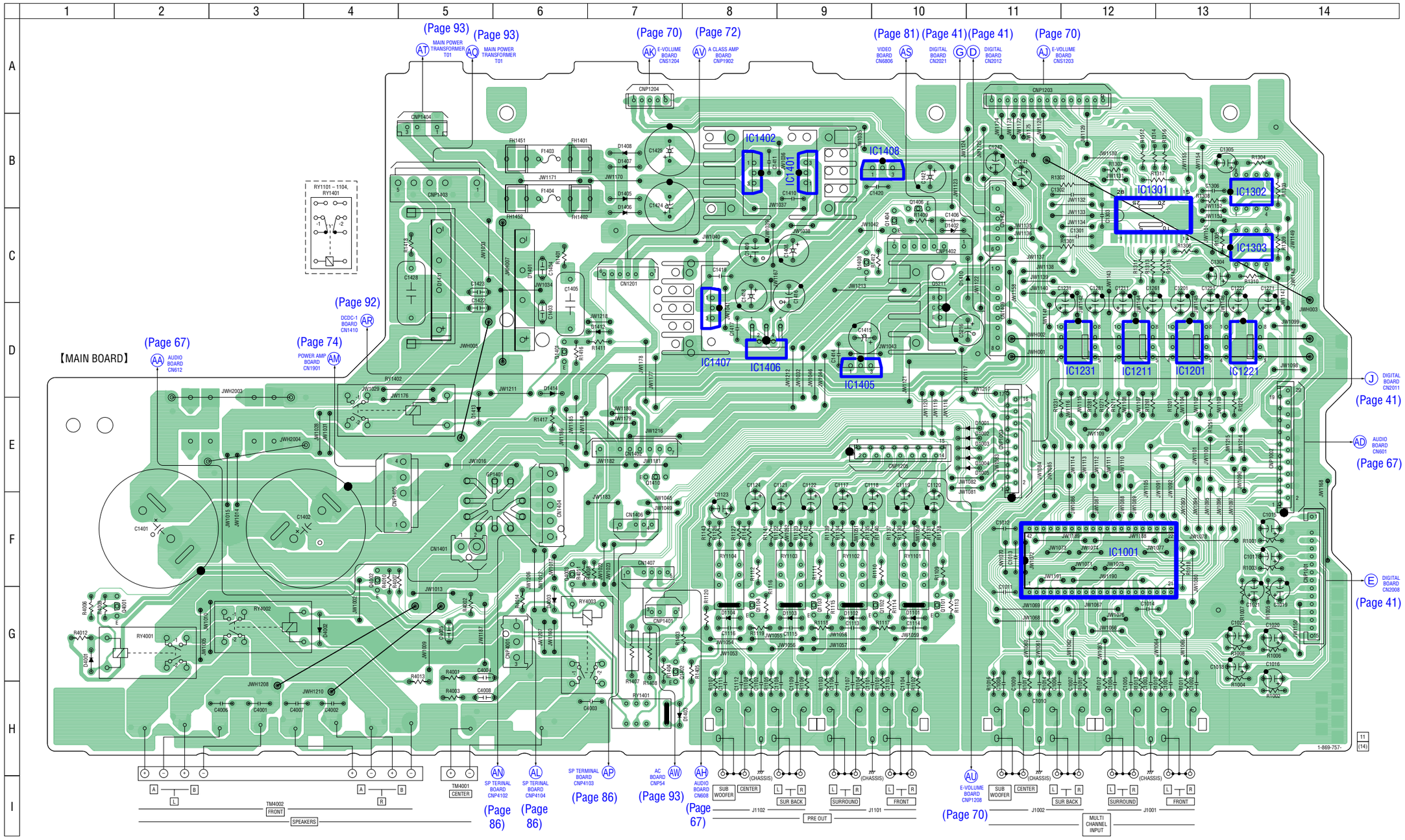


6-50. SCHEMATIC DIAGRAM – MAIN Board (2/2) –



6-51. PRINTED WIRING BOARD – MAIN Board –

• See page 39 for Circuit Boards Location. : Uses unleaded solder.



• **Semiconductor Location**

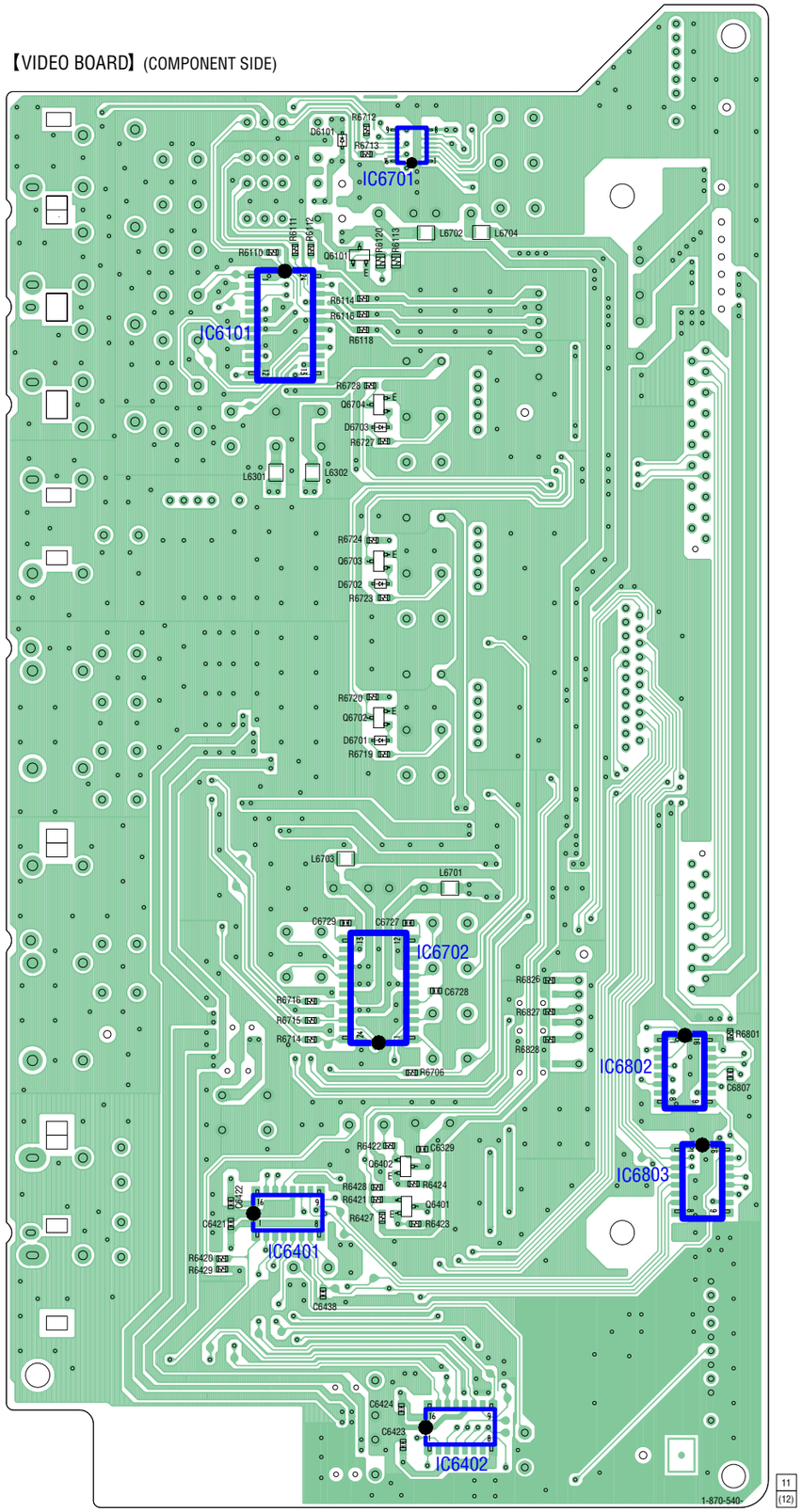
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D1001	E-11	D1407	B-7	IC1221	D-13	Q1103	G-9
D1002	E-11	D1408	B-7	IC1231	D-12	Q1104	G-8
D1003	E-11	D1410	C-11	IC1301	C-12	Q1401	D-6
D1004	E-11	D1411	C-5	IC1302	B-14	Q1402	G-7
D1005	E-11	D1412	D-7	IC1303	C-14	Q1404	C-10
D1101	G-10	D1413	E-5	IC1401	B-9	Q1406	C-10
D1102	G-9	D1414	D-6	IC1402	B-8	Q1408	C-9
D1103	G-9	D4001	G-1	IC1405	D-9	Q1410	E-7
D1104	G-8	D4002	G-4	IC1406	D-8	Q4001	G-2
D1401	C-6	D4003	G-6	IC1407	D-8	Q4002	F-4
D1402	C-10			IC1408	B-10	Q4003	F-6
D1403	H-7	IC1001	F-12			Q5211	D-10
D1405	B-7	IC1201	D-13	Q1101	G-10		
D1406	C-7	IC1211	D-12	Q1102	G-10		

6-52. PRINTED WIRING BOARD – VIDEO Board –

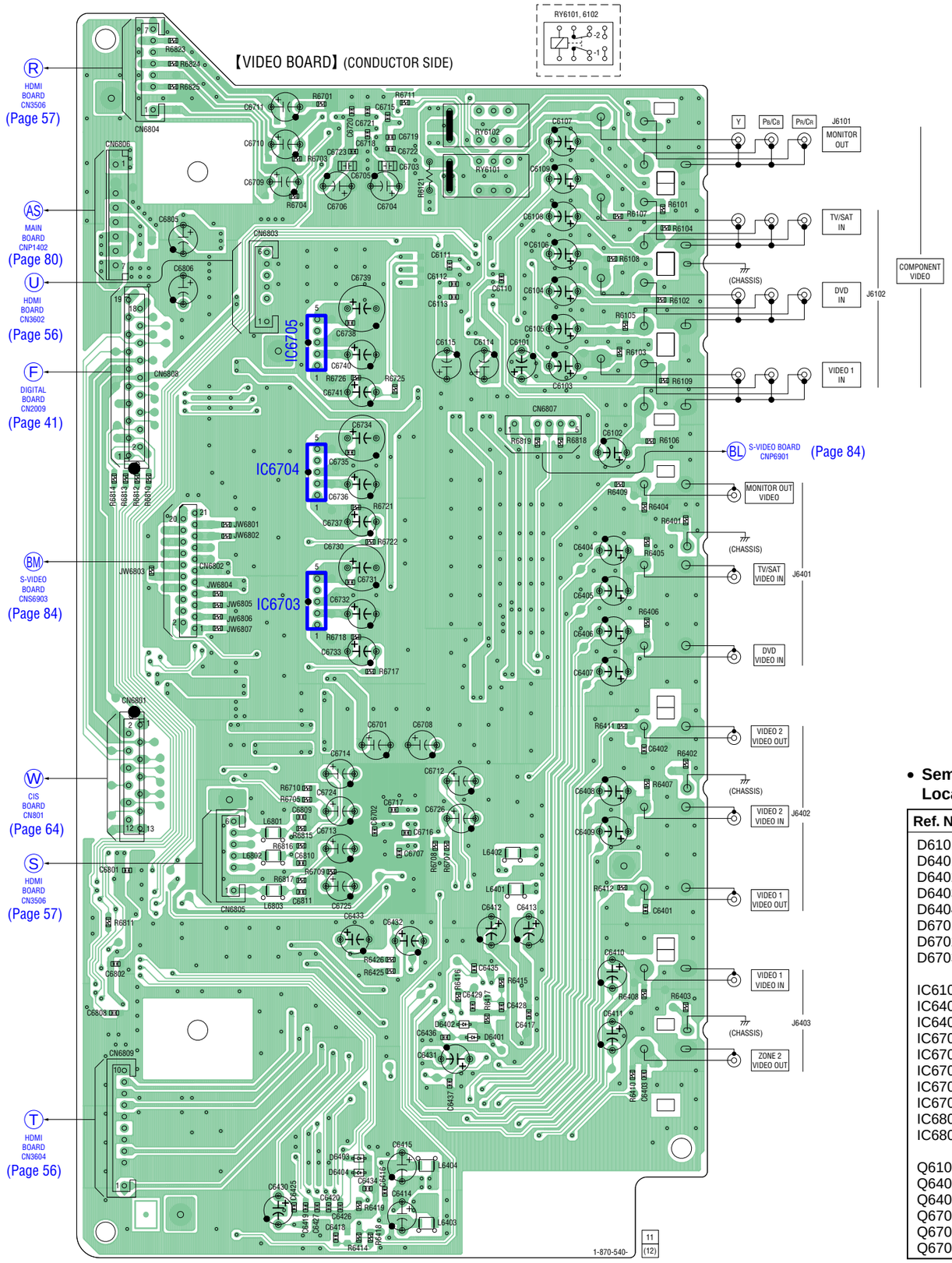
• See page 39 for Circuit Boards Location.

: Uses unleaded solder.

【VIDEO BOARD】(COMPONENT SIDE)



【VIDEO BOARD】(CONDUCTOR SIDE)

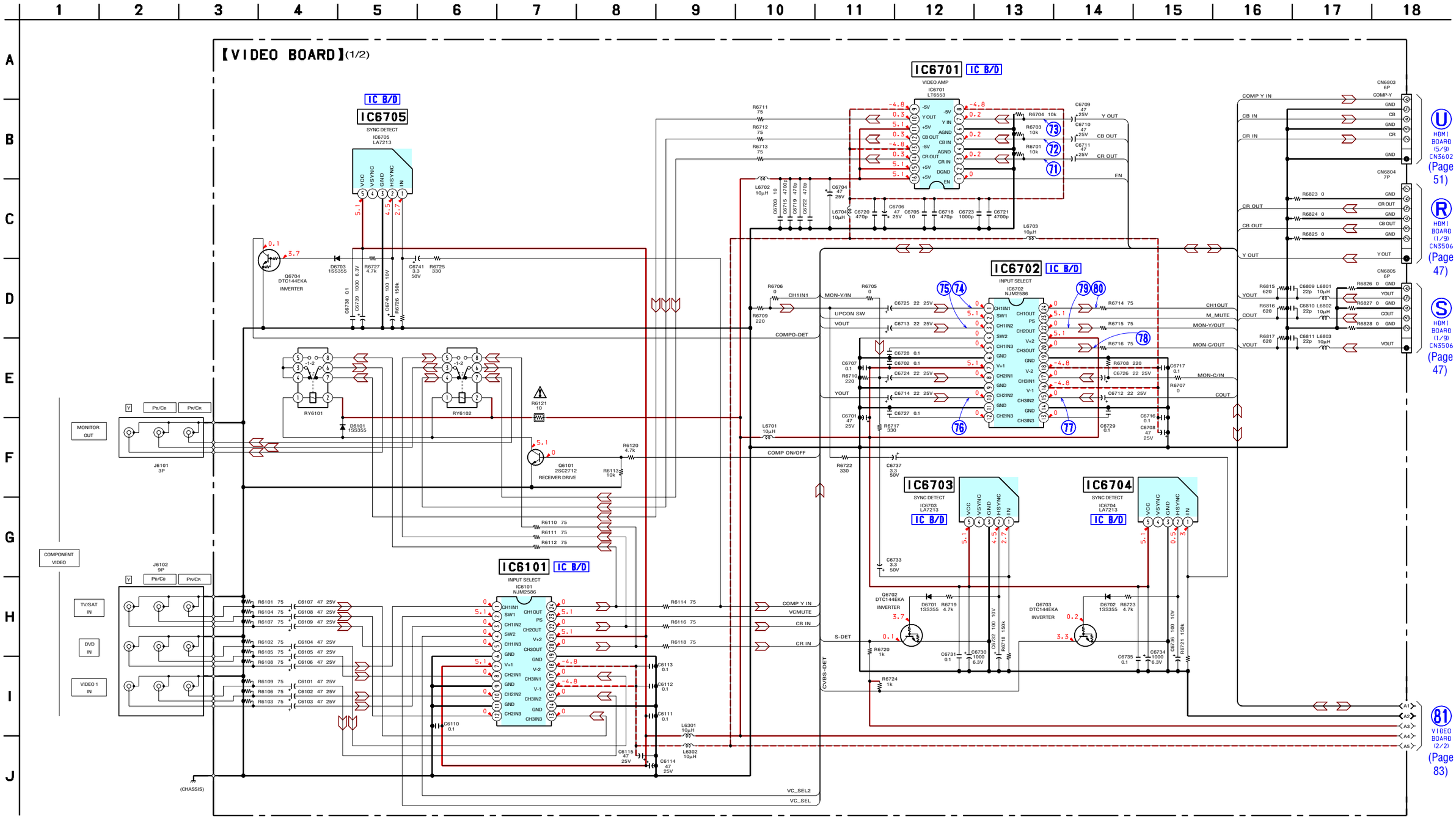


- **Semiconductor Location**

Ref. No.	Location
D6101	B-3
D6401	H-10
D6402	H-10
D6403	I-9
D6404	I-9
D6701	E-3
D6702	D-3
D6703	C-3
IC6101	C-3
IC6401	H-3
IC6402	I-4
IC6701	B-3
IC6702	G-3
IC6703	E-8
IC6704	D-8
IC6705	C-8
IC6802	G-5
IC6803	H-5
Q6101	B-3
Q6401	H-3
Q6402	H-3
Q6702	E-3
Q6703	D-3
Q6704	C-3

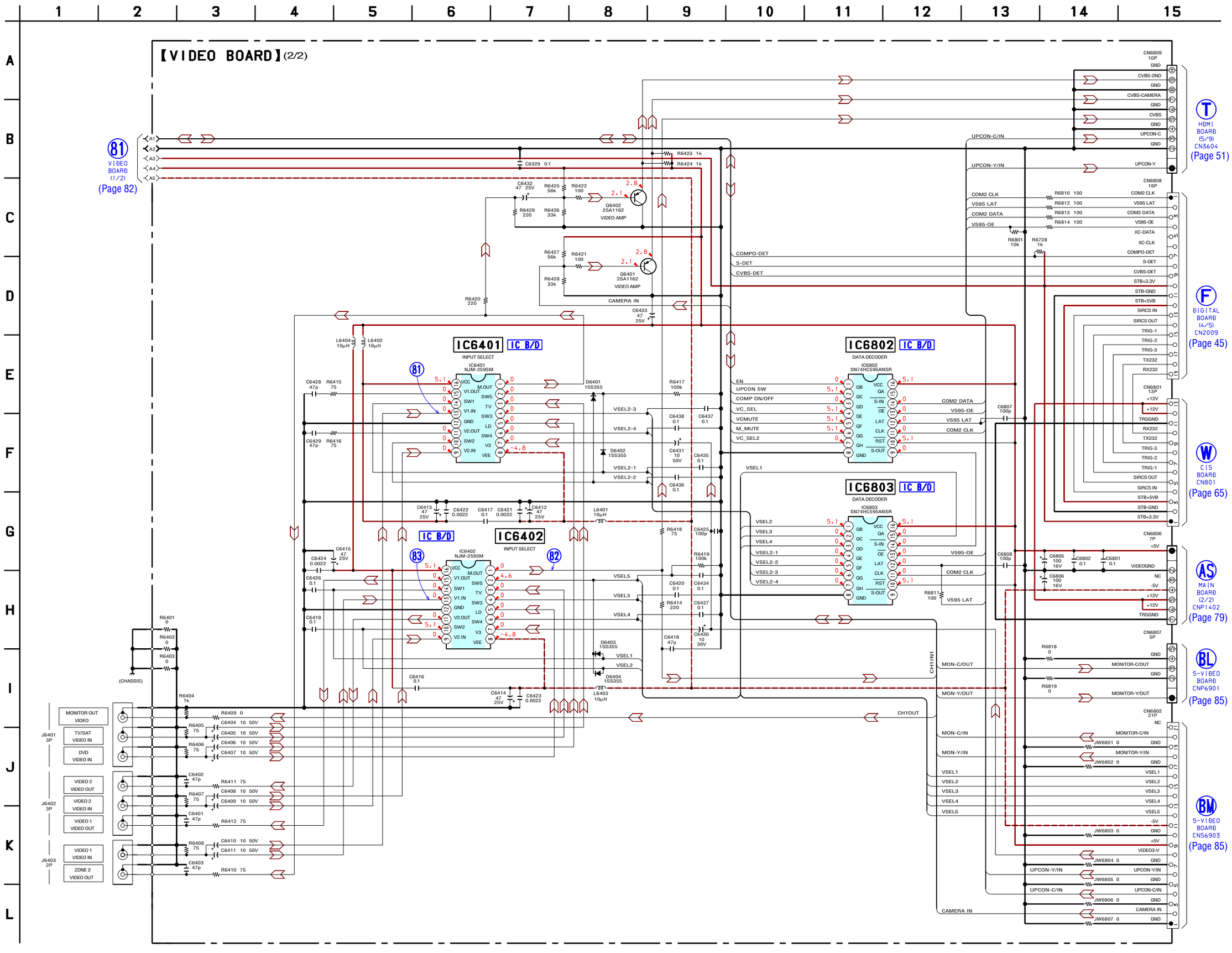
6-53. SCHEMATIC DIAGRAM – VIDEO Board (1/2) –

• See page 95 for Waveforms. • See page 98 for IC Block Diagrams.



6-54. SCHEMATIC DIAGRAM – VIDEO Board (2/2) –

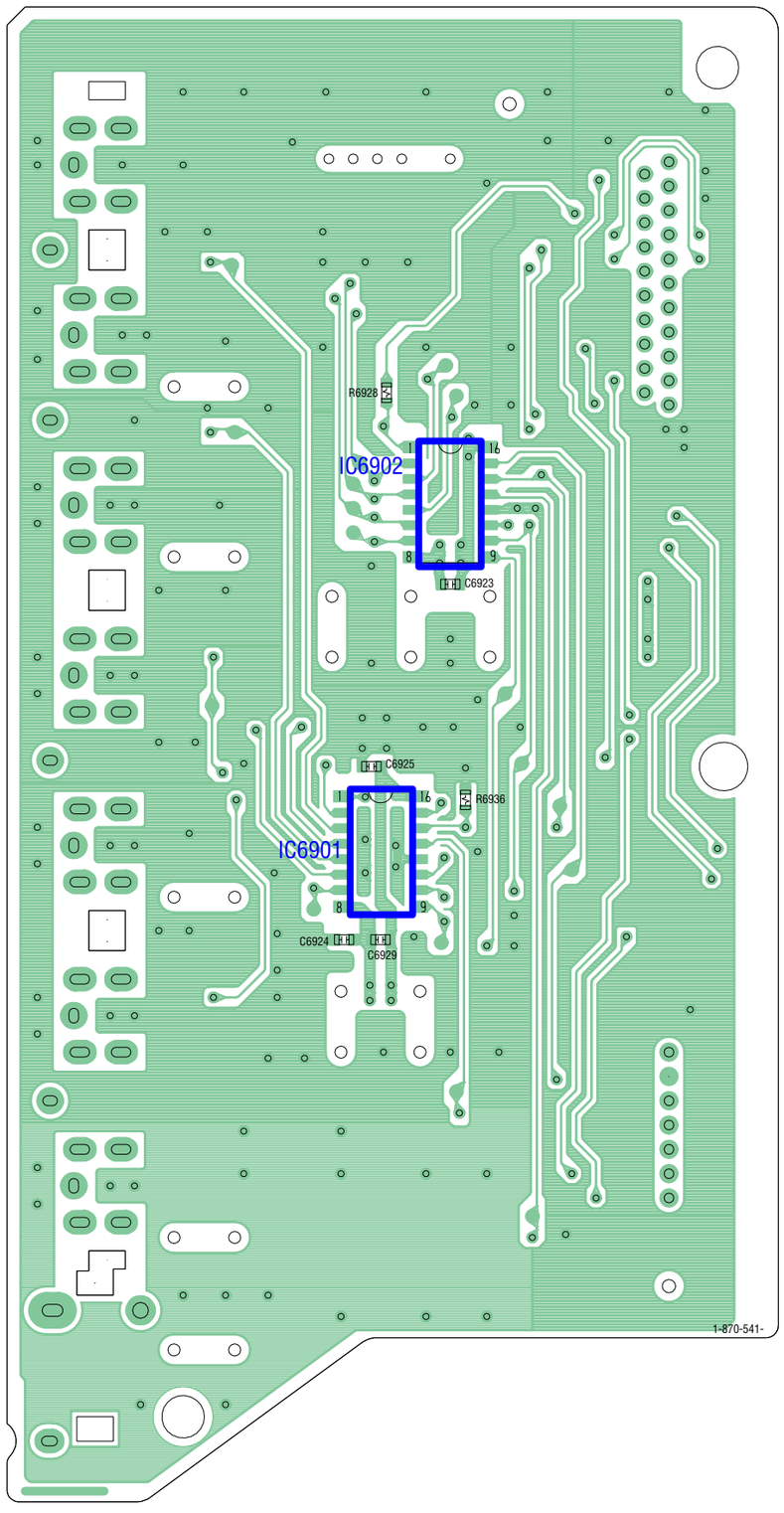
• See page 95 for Waveforms. • See page 98 for IC Block Diagrams.



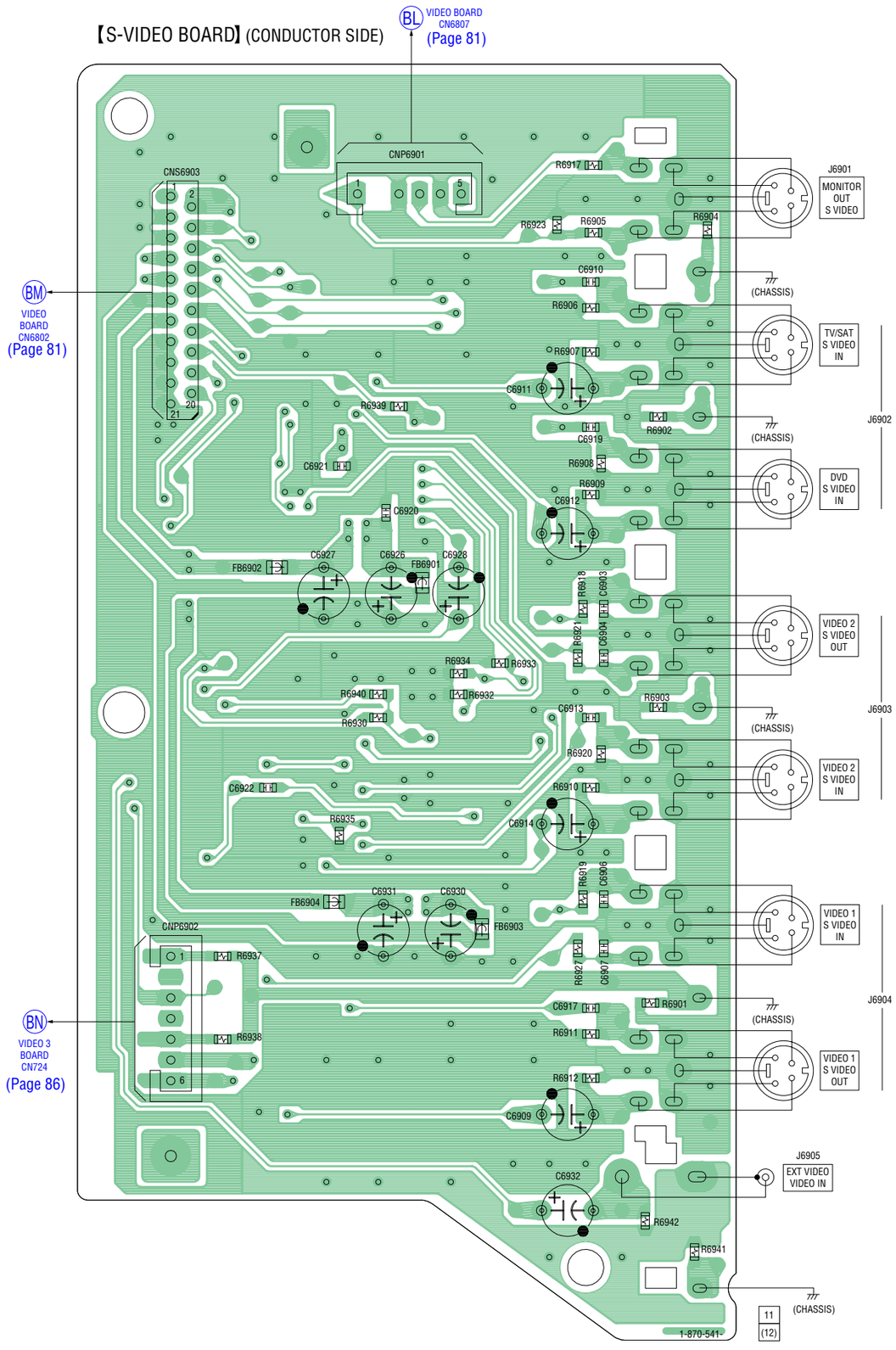
6-55. PRINTED WIRING BOARD – S-VIDEO Board –

• See page 39 for Circuit Boards Location. : Uses unleaded solder.

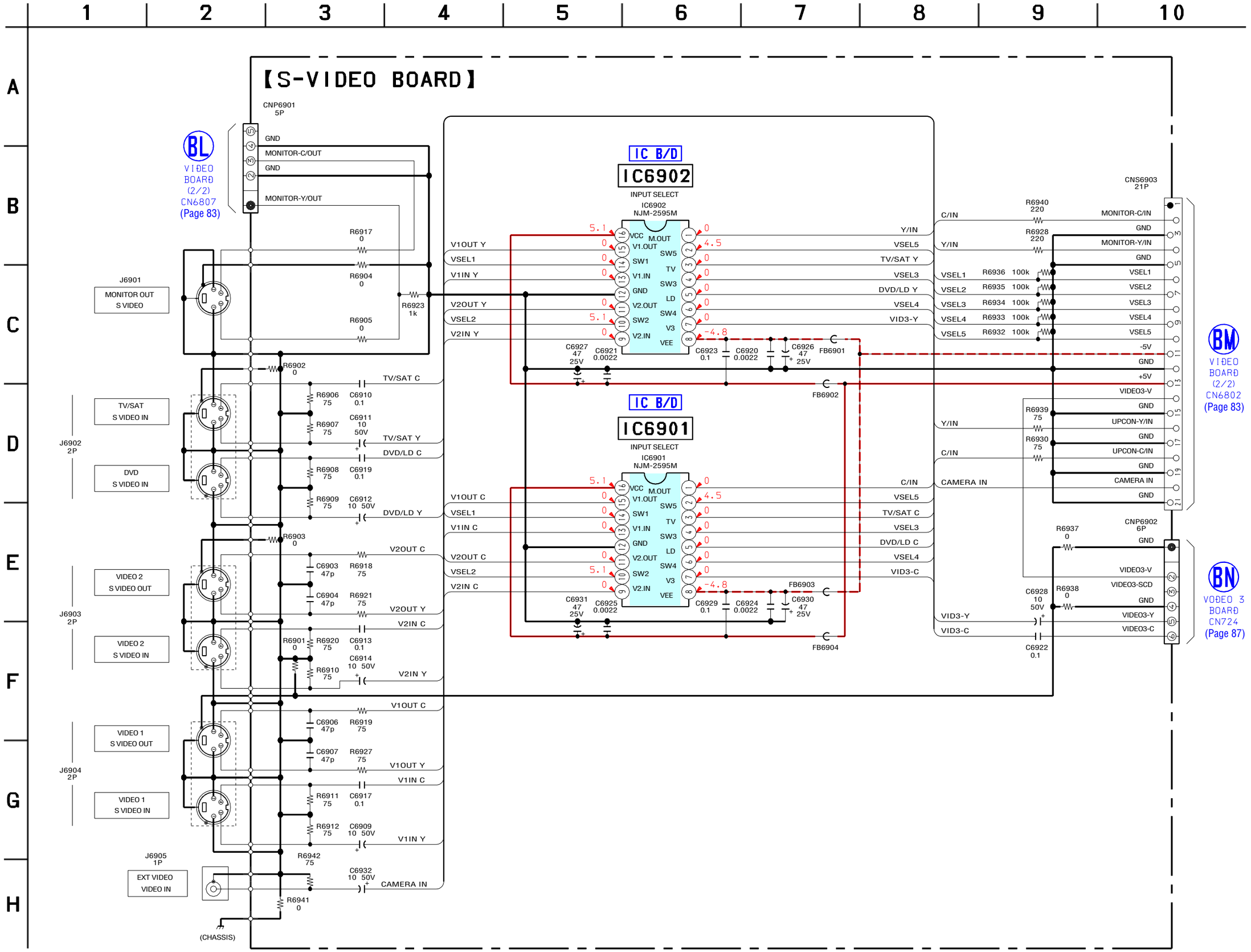
【S-VIDEO BOARD】(COMPONENT SIDE)



【S-VIDEO BOARD】(CONDUCTOR SIDE)



6-56. SCHEMATIC DIAGRAM – S-VIDEO Board – • See page 98 for IC Block Diagrams.

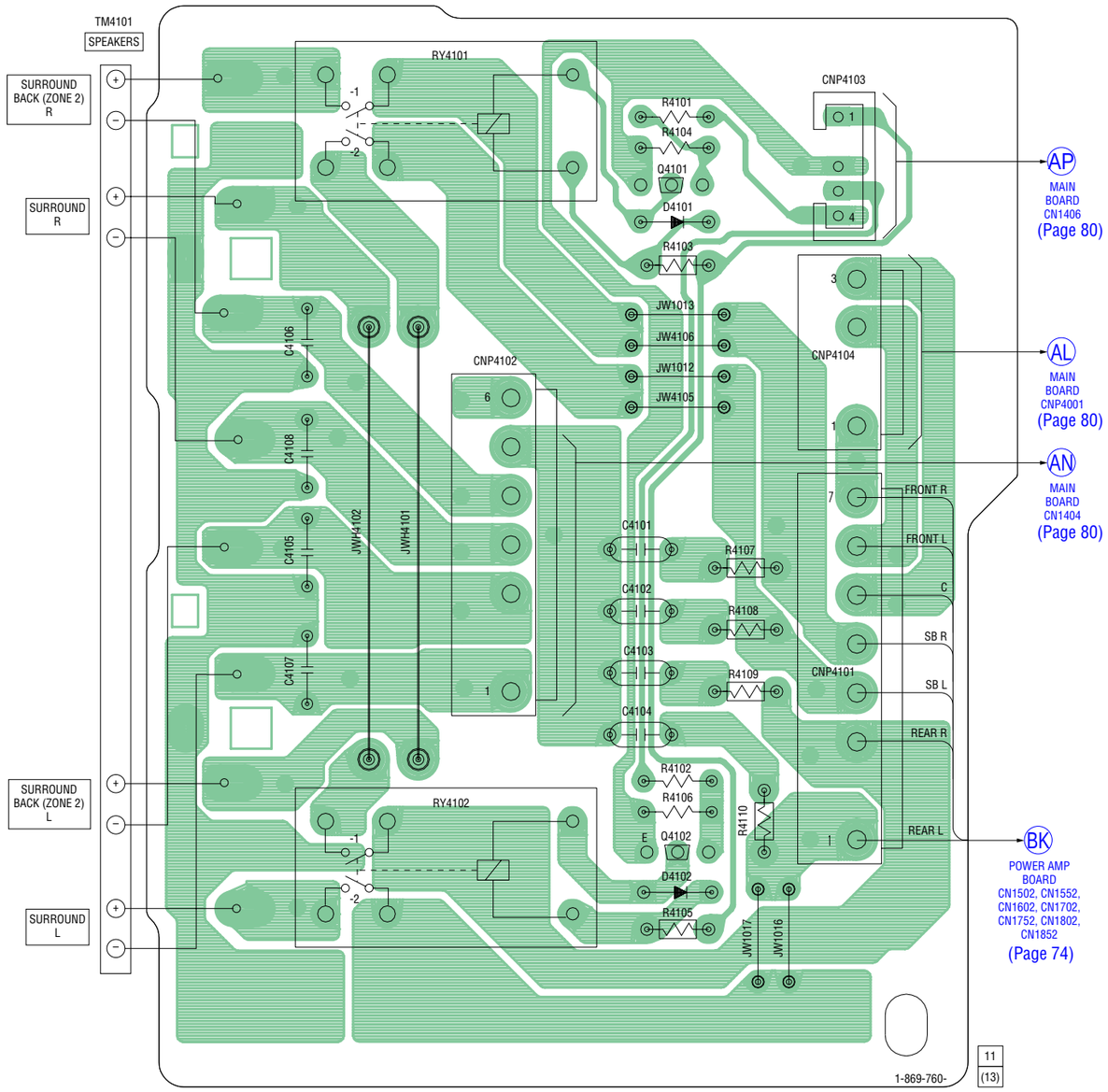


6-57. PRINTED WIRING BOARDS – SP TERMINAL/VIDEO 3 Boards –

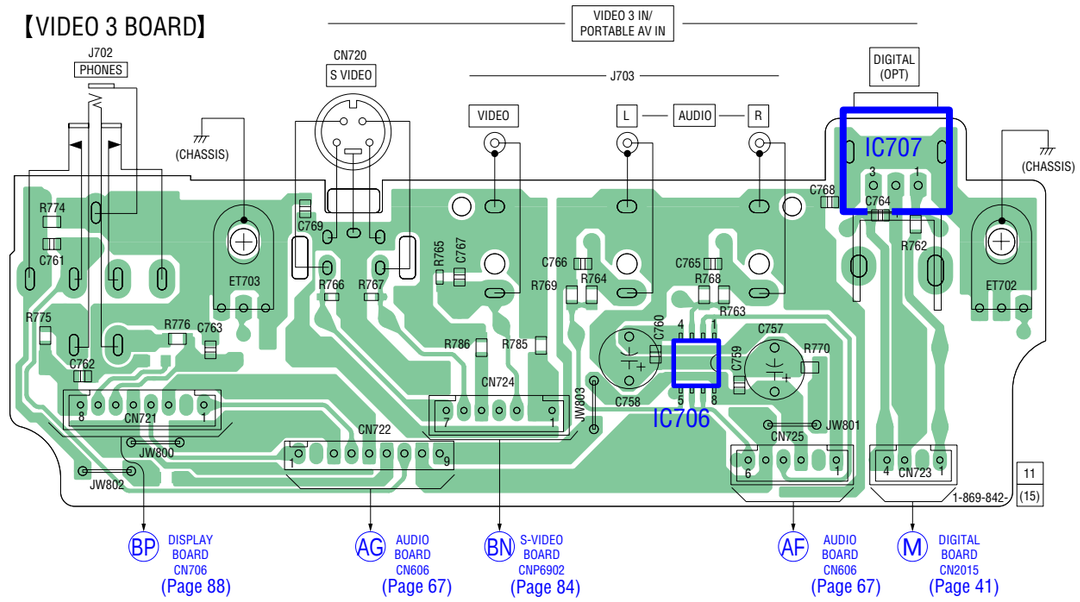
• See page 39 for Circuit Boards Location.

: Uses unleaded solder.

【SP TERMINAL BOARD】



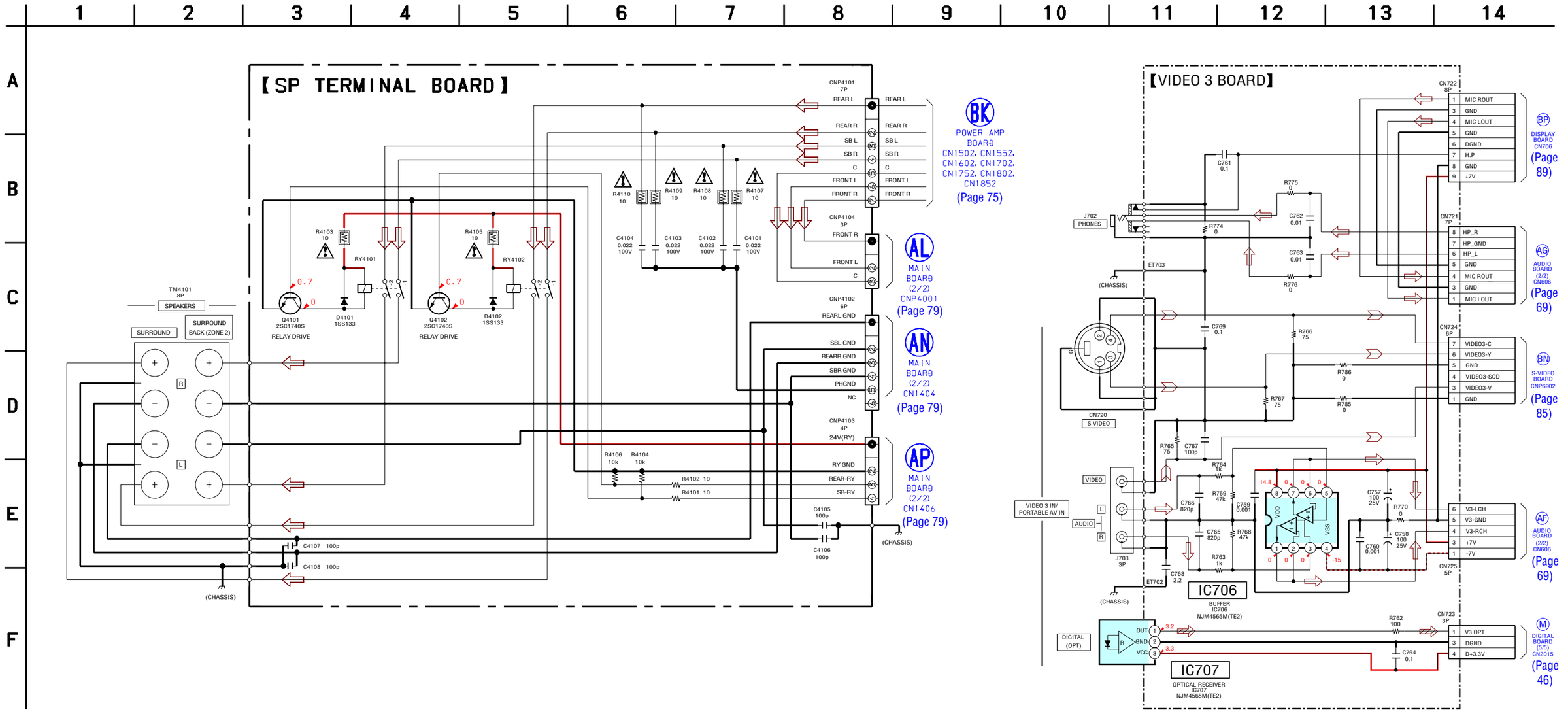
【VIDEO 3 BOARD】



- **Semiconductor Location**

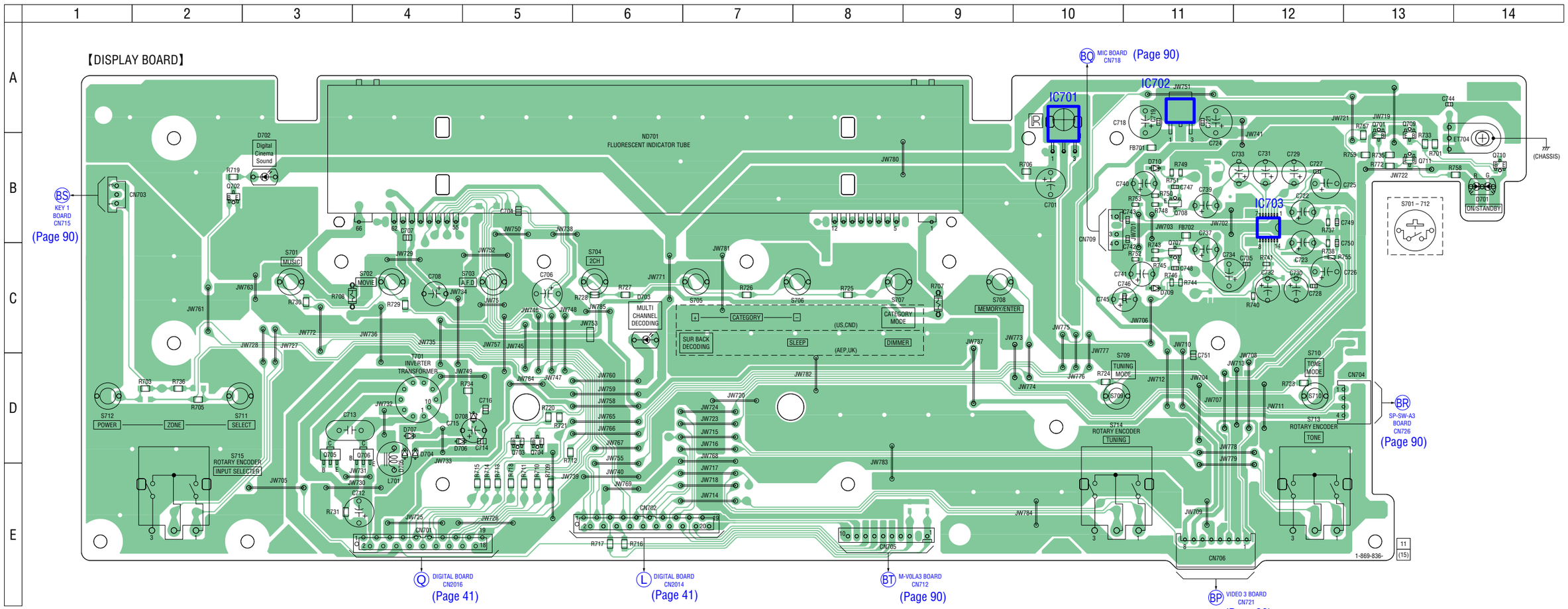
Ref. No.	Location
D4101	C-4
D4102	F-4
IC706	B-9
IC707	A-10
Q4101	B-4
Q4102	F-4

6-58. SCHEMATIC DIAGRAM – SP TERMINAL/VIDEO 3 Boards –



6-59. PRINTED WIRING BOARD – DISPLAY Board –

• See page 39 for Circuit Boards Location. : Uses unleaded solder.

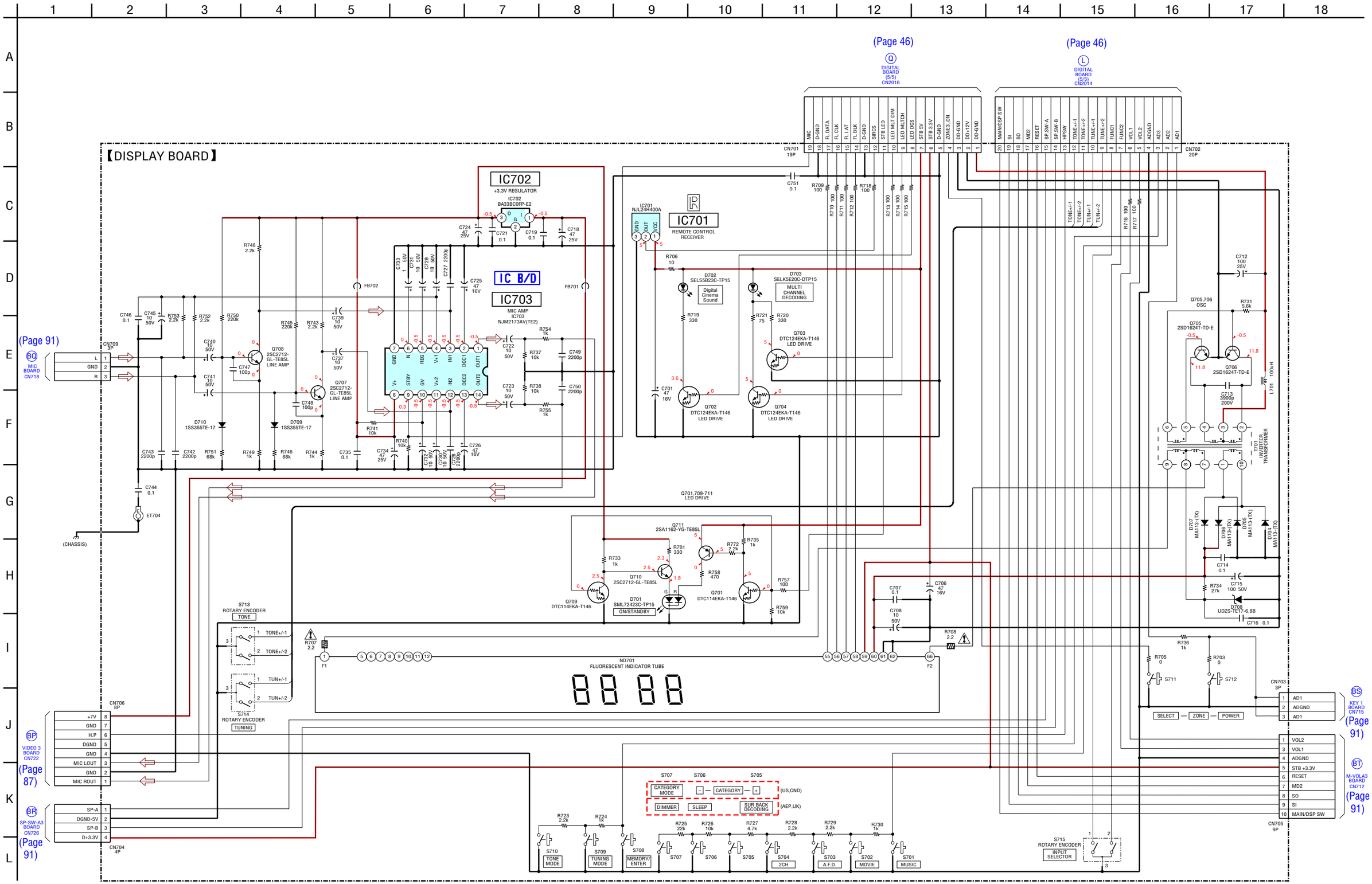


- **Semiconductor Location**

Ref. No.	Location
D701	B-14
D702	B-3
D703	C-6
D704	E-4
D705	E-4
D706	D-4
D707	D-4
D708	D-5
D709	C-11
D710	B-11
IC701	A-10
IC702	A-11
IC703	B-12
Q701	B-13
Q702	B-2
Q703	D-5
Q704	D-5
Q705	D-3
Q706	D-4
Q707	C-11
Q708	B-11
Q709	B-13
Q710	B-14
Q711	B-13

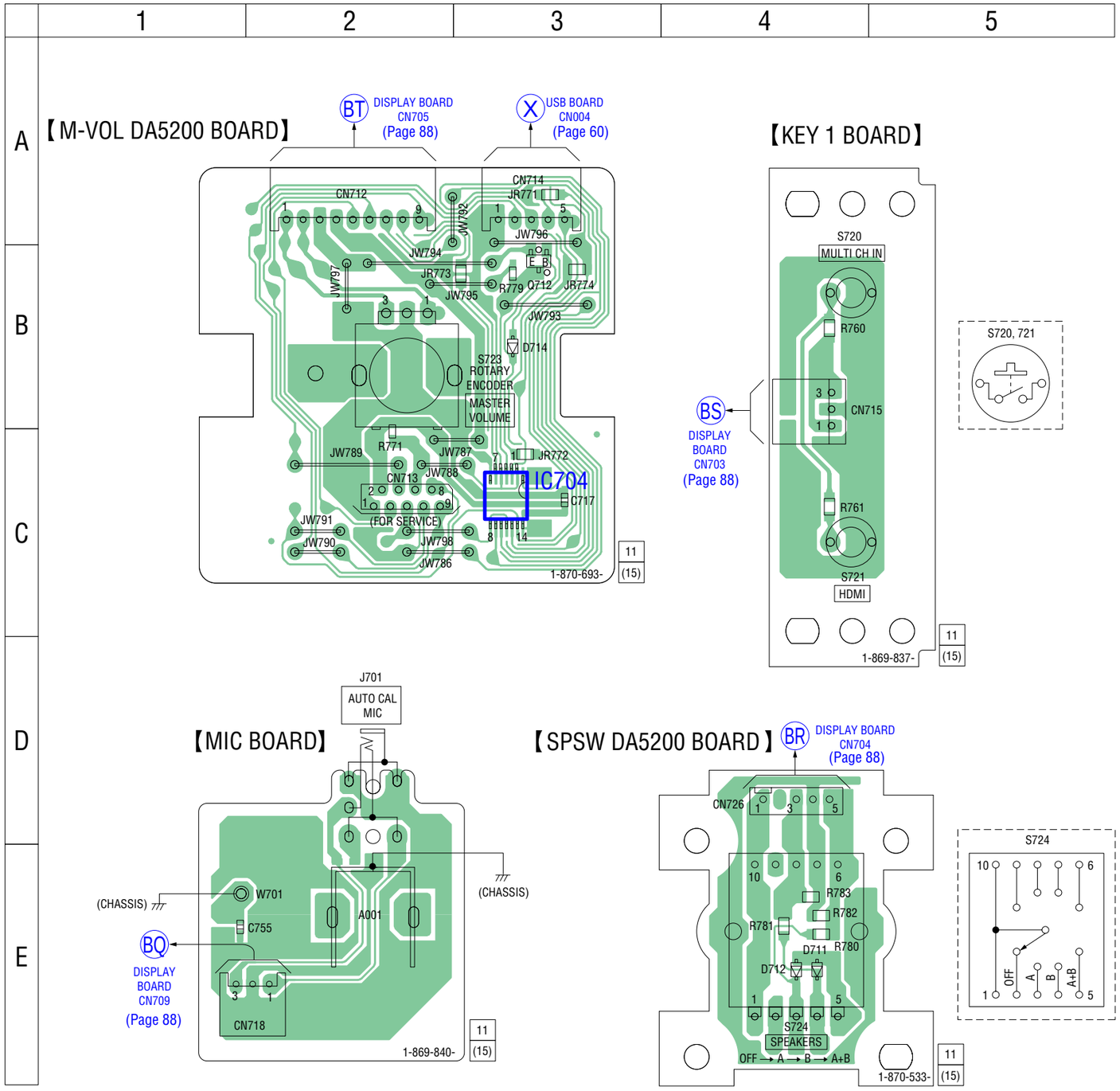
6-60. SCHEMATIC DIAGRAM – DISPLAY Board –

• See page 98 for IC Block Diagrams.



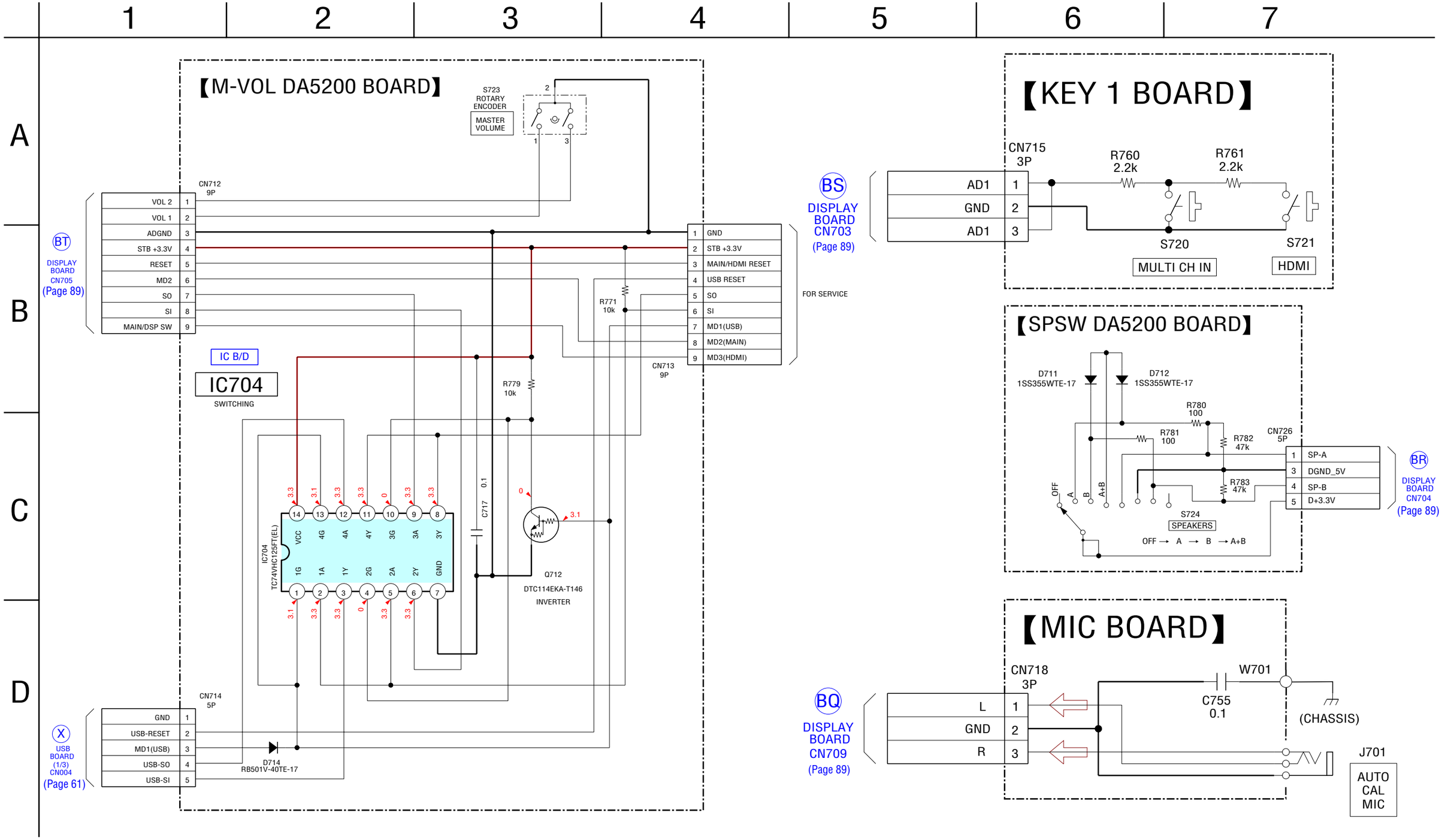
6-61. PRINTED WIRING BOARDS – KEY Section –

• See page 39 for Circuit Boards Location. : Uses unleaded solder.



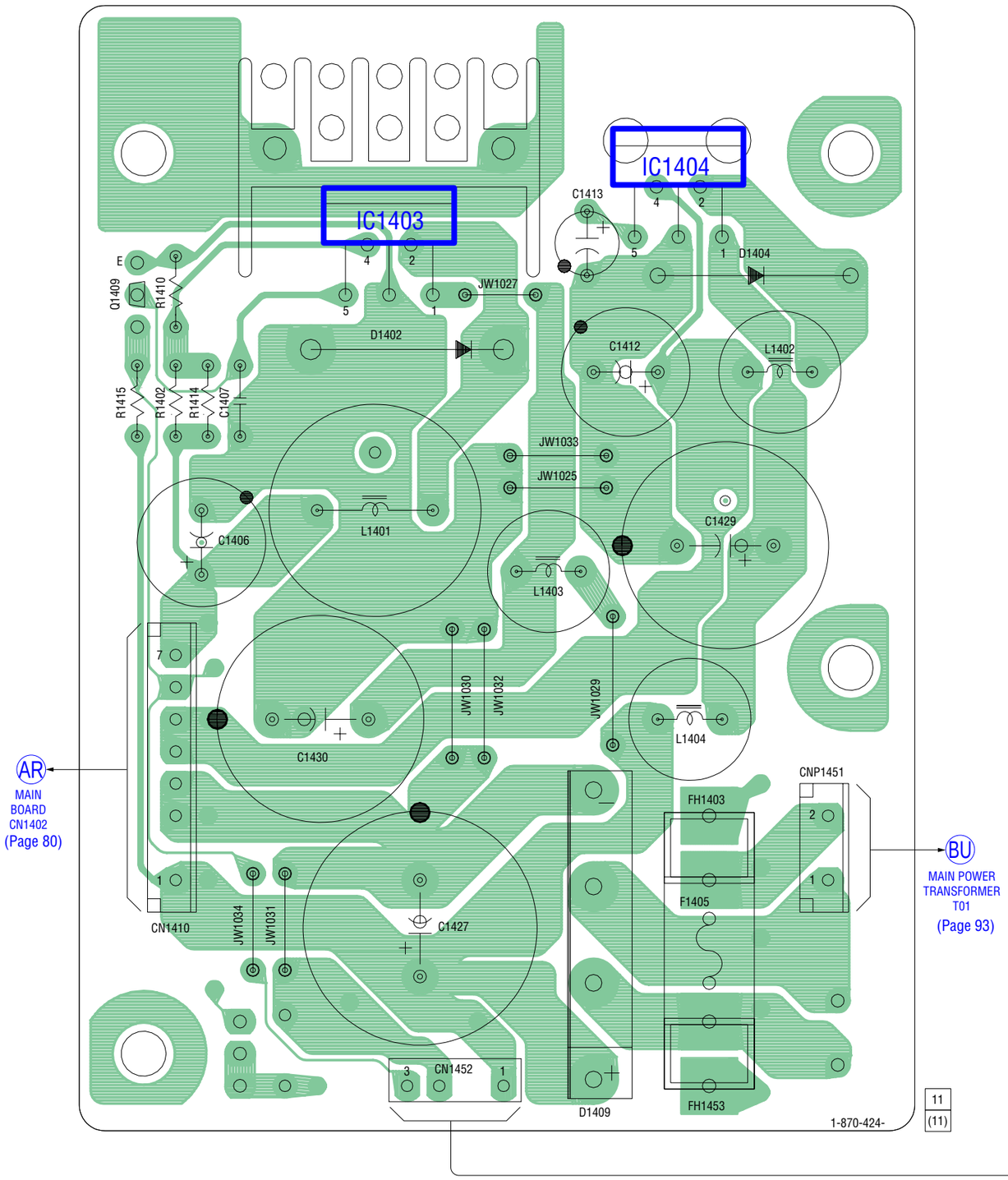
6-62. SCHEMATIC DIAGRAM – KEY Section –

• See page 98 for IC Block Diagrams.

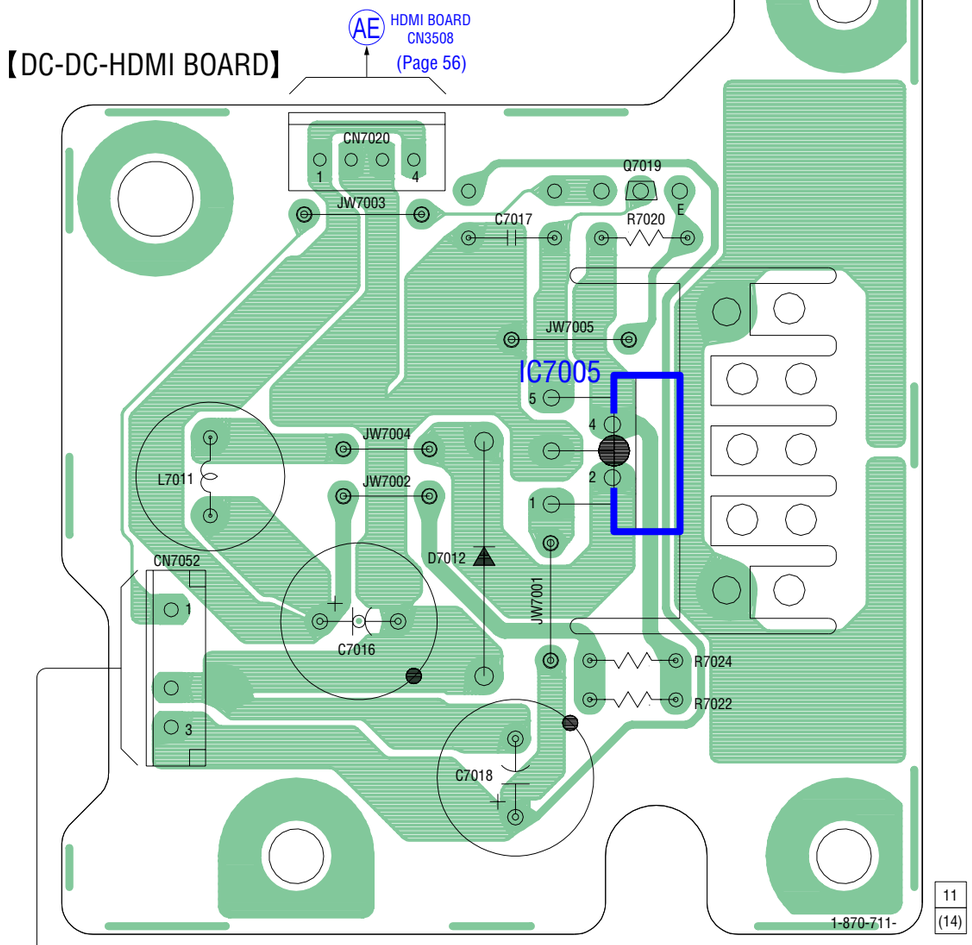


6-63. PRINTED WIRING BOARDS – DC Section – • See page 39 for Circuit Boards Location. : Uses unleaded solder.

【DCDC-1 BOARD】



【DC-DC-HDMI BOARD】

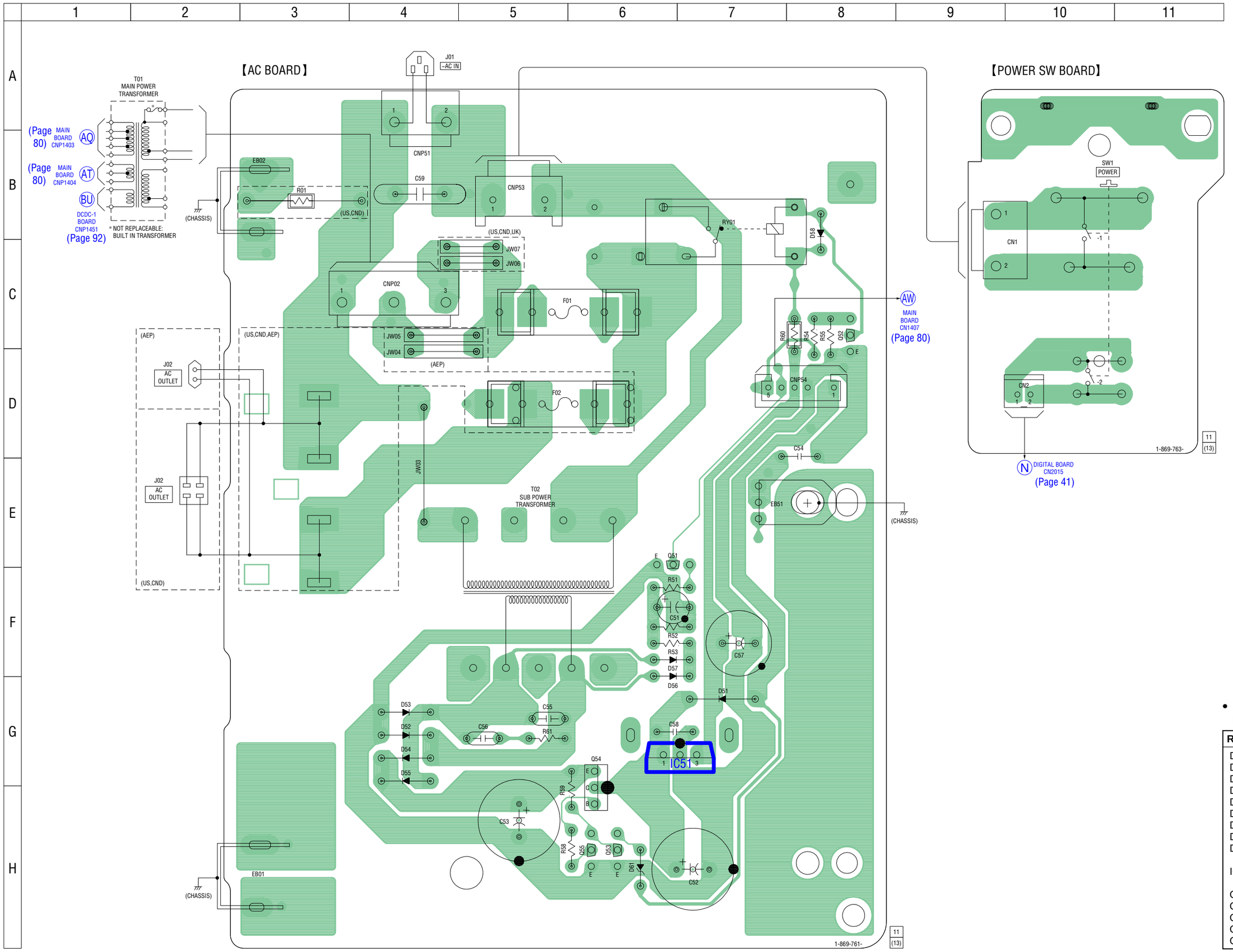


- **Semiconductor Location**

Ref. No.	Location
D1402	C-3
D1404	B-4
D1409	E-4
D7012	C-7
IC1403	B-3
IC1404	B-4
IC7005	C-8
Q1409	B-1
Q7019	B-8

6-64. PRINTED WIRING BOARDS – AC Section –

• See page 39 for Circuit Boards Location. : Uses unleaded solder.

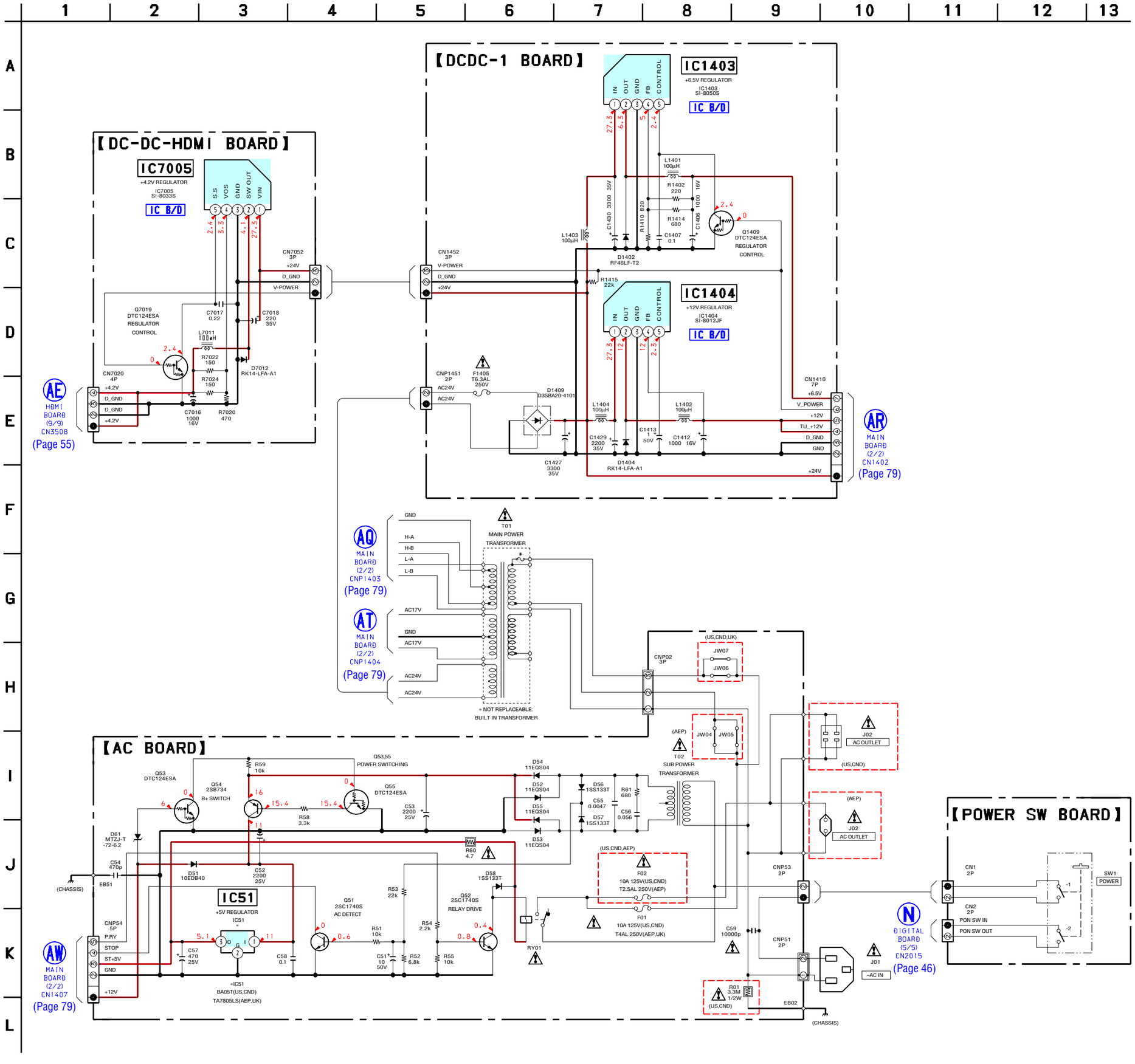


- **Semiconductor Location**

Ref. No.	Location
D51	G-7
D52	G-4
D53	G-4
D54	G-4
D55	G-4
D56	F-6
D57	F-6
D58	B-8
D61	H-6
IC51	G-7
Q51	E-6
Q52	C-8
Q53	H-6
Q54	H-6
Q55	H-6

6-65. SCHEMATIC DIAGRAM – POWER SUPPLY Section –

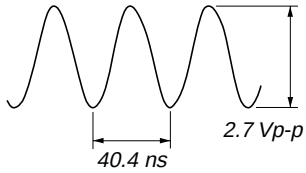
• See page 98 for IC Block Diagrams.



• **Waveforms**

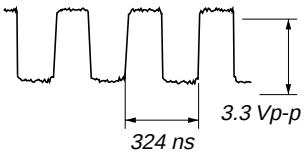
– DIGITAL Board –

① IC2006 ⑯ (RMCK)



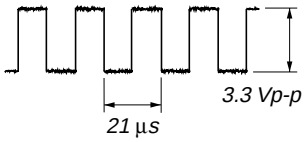
1 V/DIV, 20 ns/DIV

② IC2006 ⑰ (RBCK)



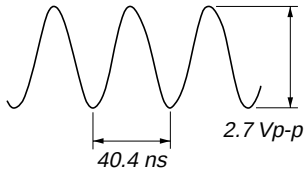
1 V/DIV, 200 ns/DIV

③ IC2006 ⑳ (RLRCK)



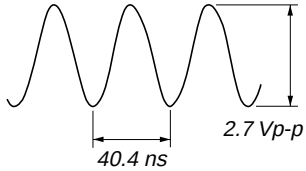
1 V/DIV, 10 µs/DIV

④ IC2006 ㉗ (XMCK)



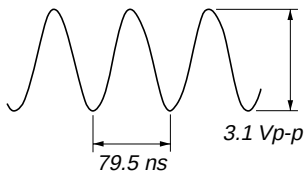
1 V/DIV, 20 ns/DIV

⑤ IC2006 ㉘ (XOUT)



1 V/DIV, 20 ns/DIV

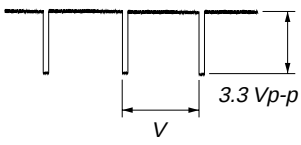
⑥ IC2054 ㊽ (X-OUT)



1 V/DIV, 50 ns/DIV

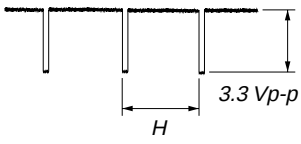
– HDMI Board –

㉑ IC3604 ㉟ (VSYNC_N) (HDMI 1 mode)



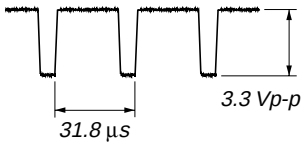
1 V/DIV, 5 ms/DIV

㉒ IC3604 ㊲ (HSYNC_N) (HDMI 1 mode)



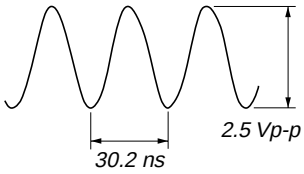
1 V/DIV, 20 µs/DIV

㉓ IC3604 ㊴ (DOTCLK) (HDMI 1 mode)



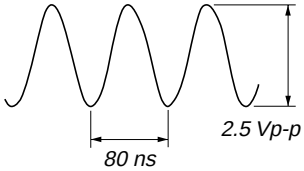
1 V/DIV, 20 µs/DIV

㉔ IC3604 ㊷ (XOUT) (HDMI 1 mode)



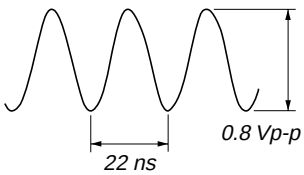
1 V/DIV, 20 ns/DIV

㉕ IC3610 ㊼ (X1) (HDMI 1 mode)



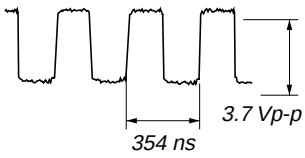
1 V/DIV, 50 ns/DIV

㉖ IC3901 ㉖ (OSCOUT) (HDMI 1 mode)



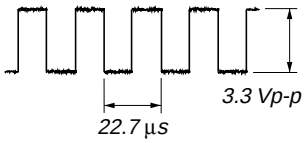
500 mV/DIV, 10 ns/DIV

㉗ IC3901 ㊴ (I2SSCLK) (HDMI 1 mode)



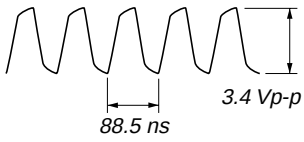
1 V/DIV, 200 ns/DIV

㉘ IC3901 ㊶ (I2SLRCLK) (HDMI 1 mode)



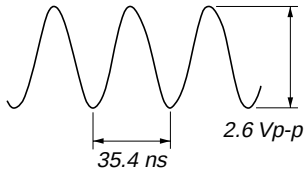
1 V/DIV, 10 µs/DIV

㉙ IC3901 ㊸ (I2S0CLK) (HDMI 1 mode)



1 V/DIV, 50 ns/DIV

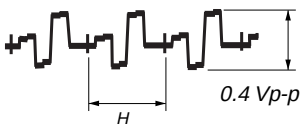
㉚ IC3511 ㊹ (XTALOUT) (HDMI 1 mode)



1 V/DIV, 20 ns/DIV

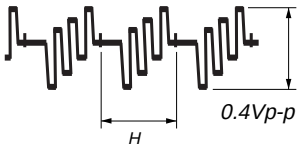
– VIDEO Board –

(71) IC6701 ③ (CR IN) (VIDEO 1 mode)



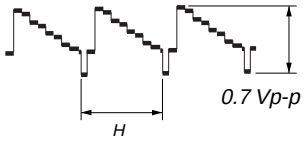
200 mV/DIV, 20 µs/DIV

(72) IC6701 ⑤ (CB IN) (VIDEO 1 mode)



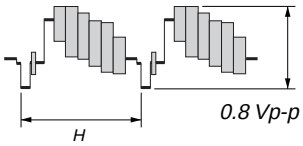
200 mV/DIV, 20 µs/DIV

(73) IC6701 ⑦ (Y IN) (VIDEO 1 mode)



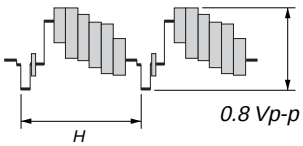
500 mV/DIV, 20 µs/DIV

(74) IC6702 ① (CH1IN1) (VIDEO 1 mode)



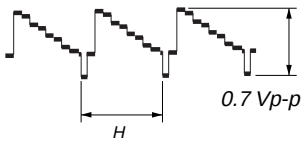
500 mV/DIV, 20 µs/DIV

(75) IC6702 ③ (CH1IN2) (VIDEO 1 mode)



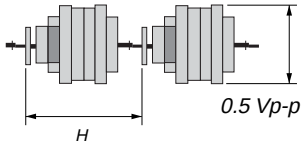
500 mV/DIV, 20 µs/DIV

(76) IC6702 ⑩ (CH2IN2) (VIDEO 1 mode)



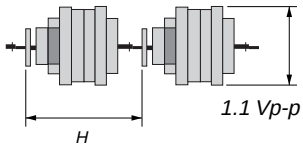
500 mV/DIV, 20 µs/DIV

(77) IC6702 ⑮ (CH3IN2) (VIDEO 1 mode)



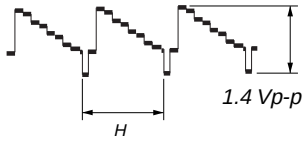
200 mV/DIV, 20 µs/DIV

(78) IC6702 ⑳ (CH3OUT) (VIDEO 1 mode)



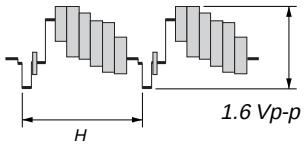
500 mV/DIV, 20 µs/DIV

(79) IC6702 ㉒ (CH2OUT) (VIDEO 1 mode)



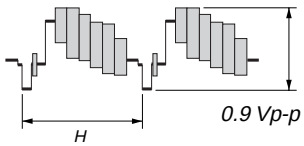
500 mV/DIV, 20 µs/DIV

(80) IC6702 ㉔ (CH1OUT) (VIDEO 1 mode)



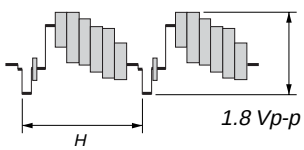
500 mV/DIV, 20 µs/DIV

(81) IC6401 ⑬ (V1.IN) (VIDEO 1 mode)



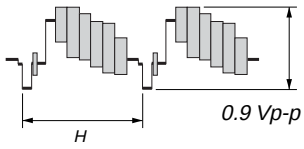
500 mV/DIV, 20 µs/DIV

(82) IC6402 ① (M.OUT) (VIDEO 1 mode)



500 mV/DIV, 20 µs/DIV

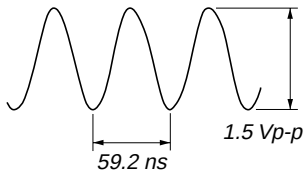
(83) IC6402 ⑬ (V1.IN) (VIDEO 1 mode)



500 mV/DIV, 20 µs/DIV

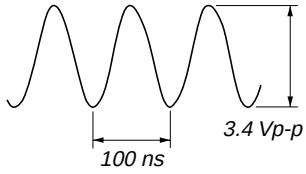
– USB Board –

(91) IC002 ㉓ (X1)



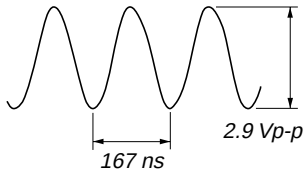
500 mV/DIV, 20 ns/DIV

(92) IC006 ㉝ (X2)



1 V/DIV, 50 ns/DIV

(93) IC003 ⑰ (OSC1)

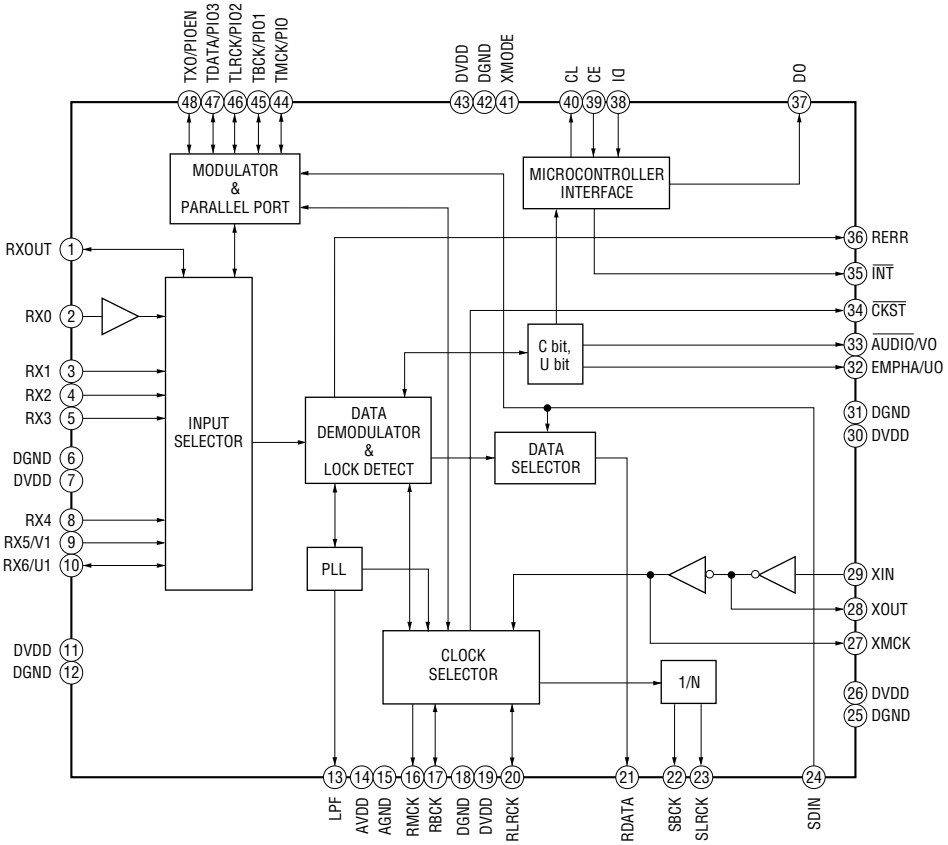


1 V/DIV, 50 ns/DIV

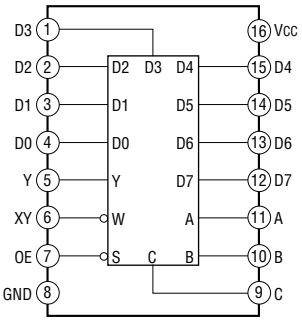
- **IC Block Diagrams**

– DIGITAL Board –

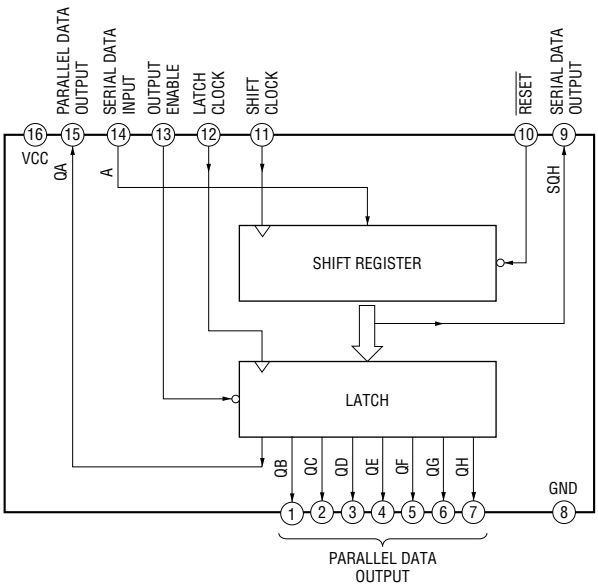
IC2006 LC89057W-VF4A-E



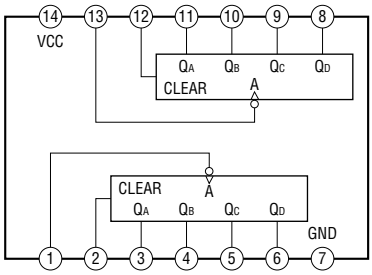
IC2009 TC74HC151AF (EL)



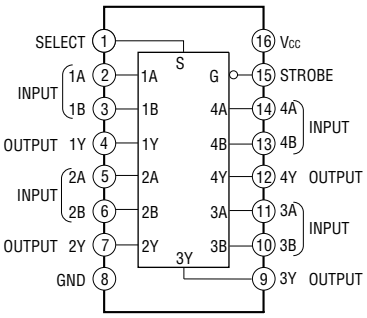
IC2012, 2044 SN74HC595ANS



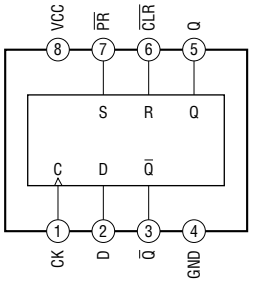
IC2017 TC74VHC393FT (EL)



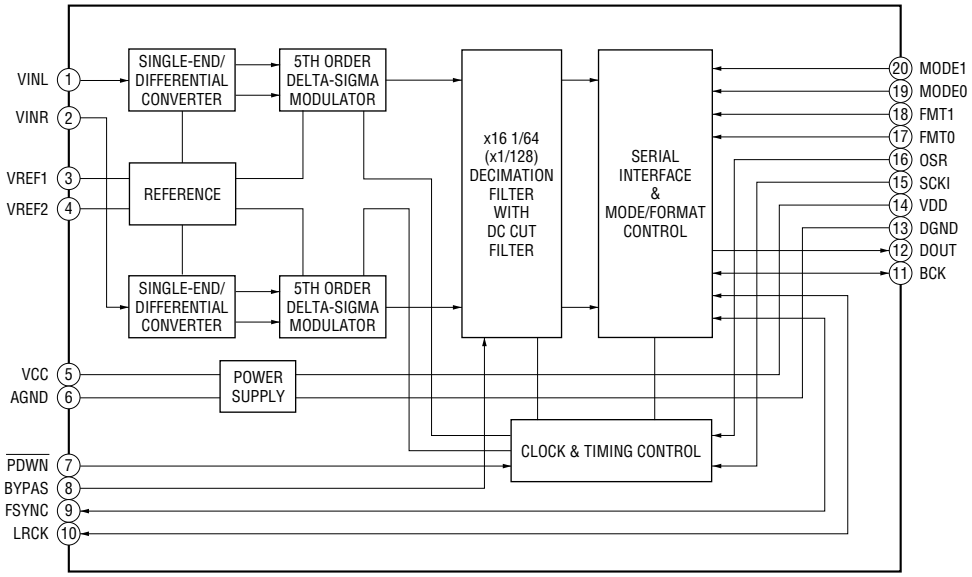
IC2018, 2019 TC74VHC157FT (EKJ)



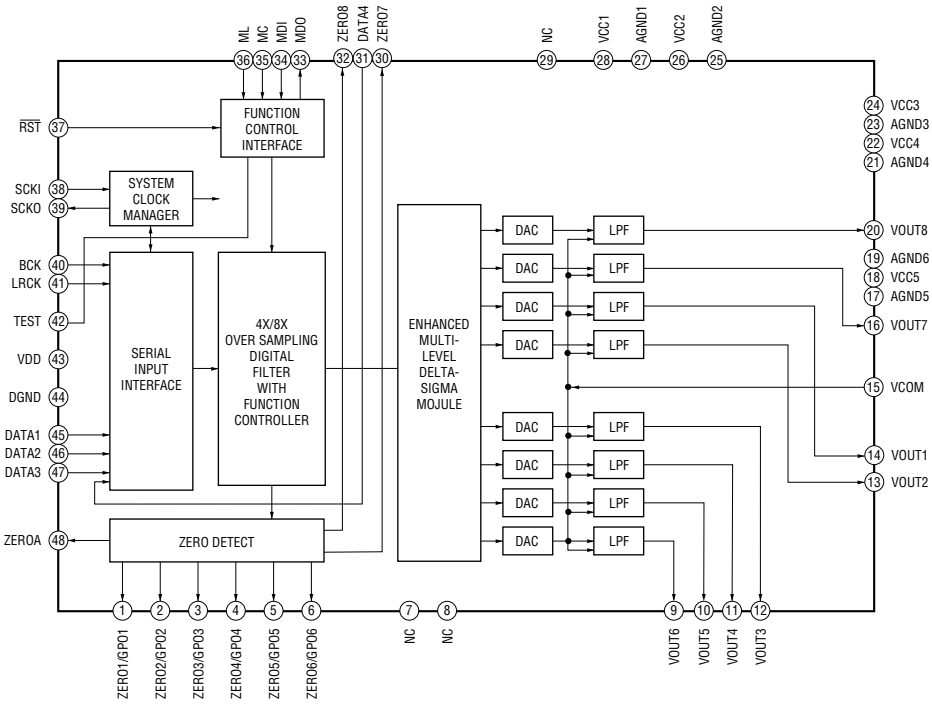
IC2022, 2036 TC7WH74FU (TE12R)



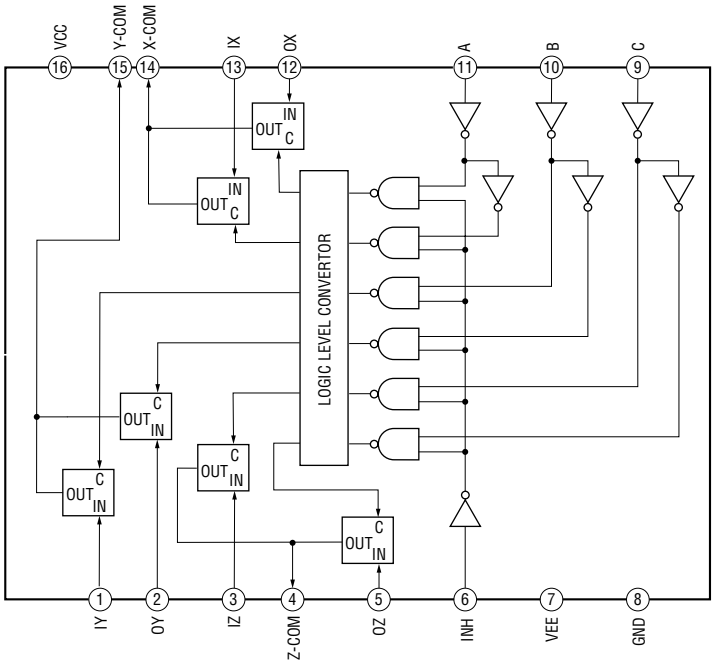
IC2024 PCM1802DBR



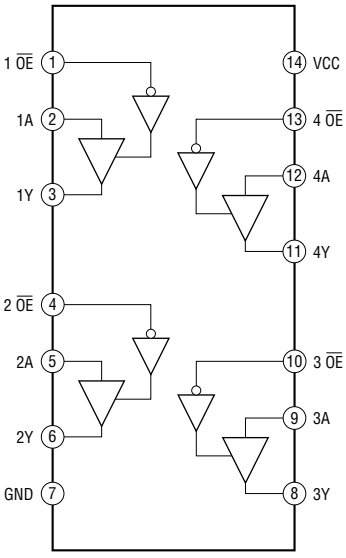
IC2034 PCM1609KPTR



IC2420 TC74LVX4053FT (EL)

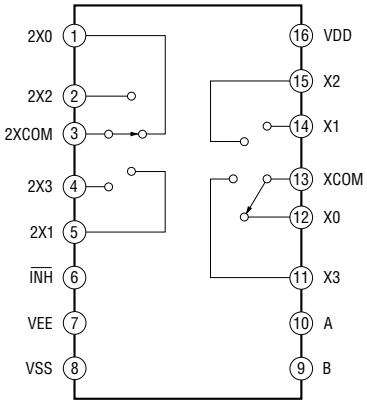


IC2421 TC74VHC125FT (EKJ)

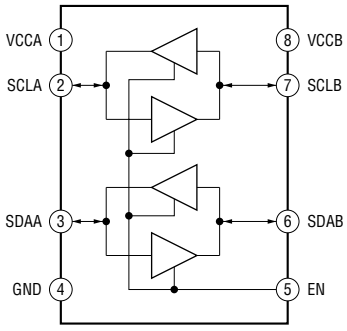


– HDMI Board –

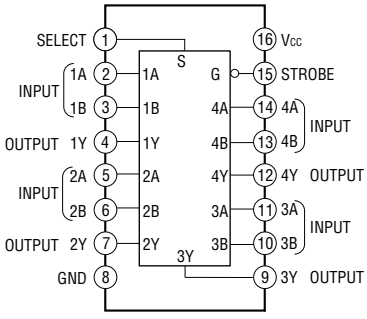
IC3504, 3508 SN74LV4052APWR



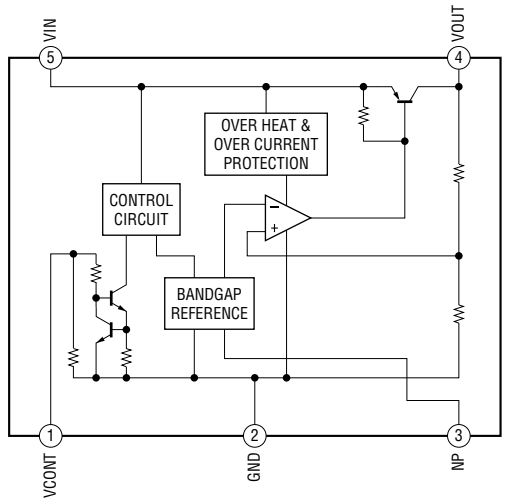
IC3506 PCA9517DP.118



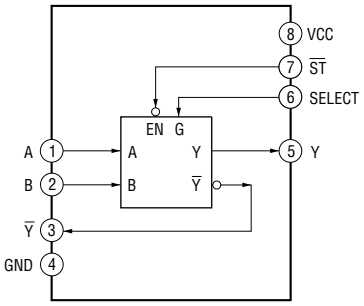
IC3510, 3512 TC74VHC157FT (EL)



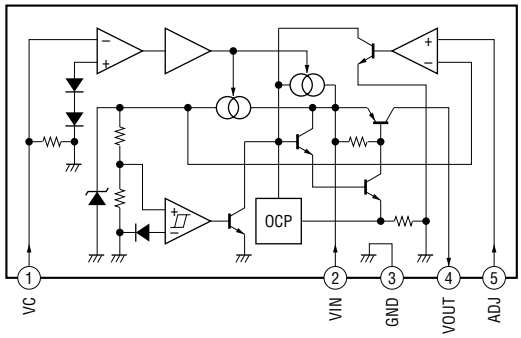
IC3516 TK11150CSCL-G
IC3608 TK11118CSCL-G
IC3852 TK11125CSCL-G



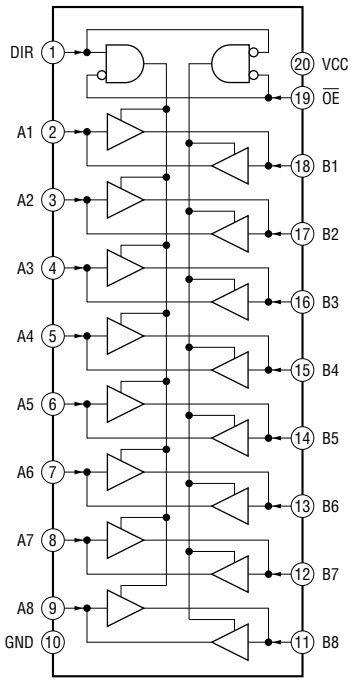
IC3518 TC7WH157FU (TE12R)



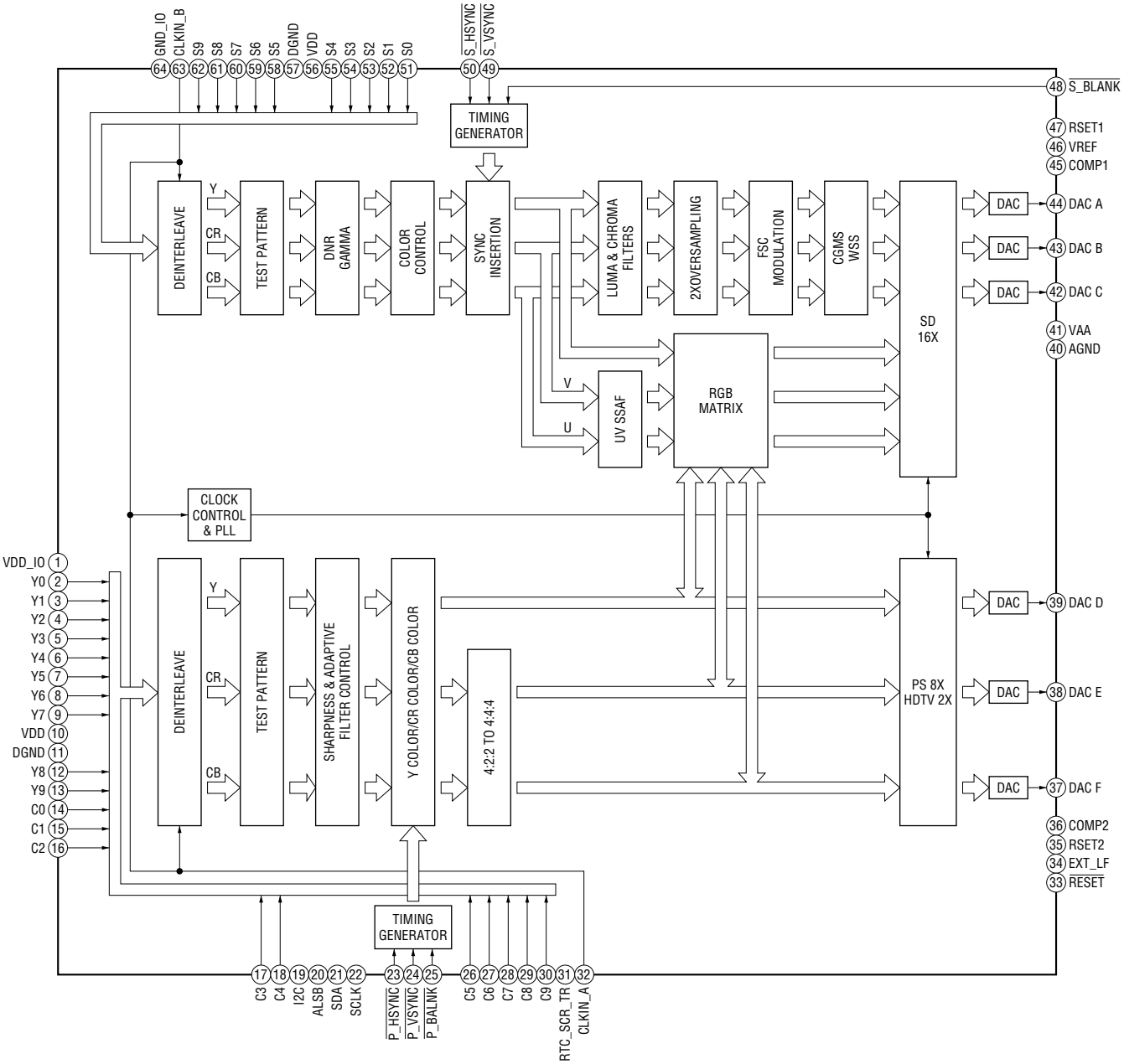
IC3617 SI-3011ZD-TL



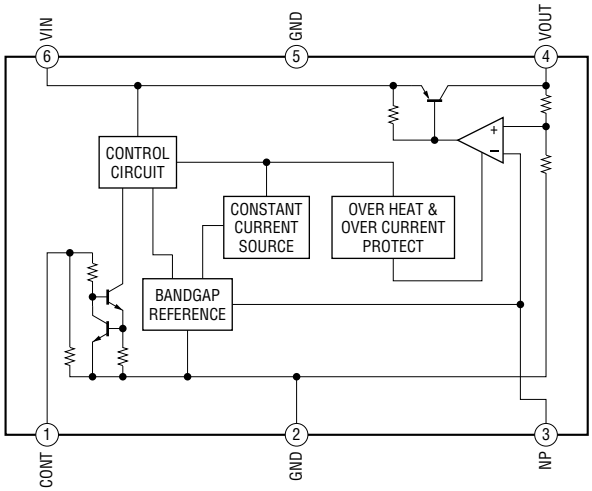
IC3619, 3620 TC74LCX245FK (EL)



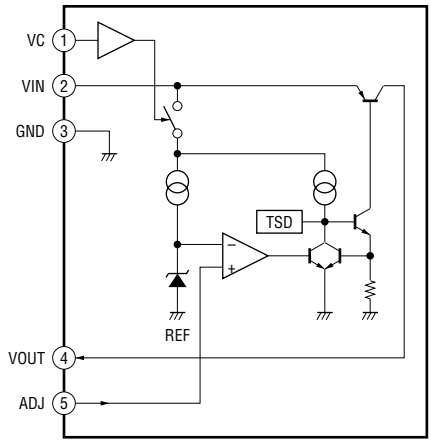
IC3850 ADV7322KSTZ



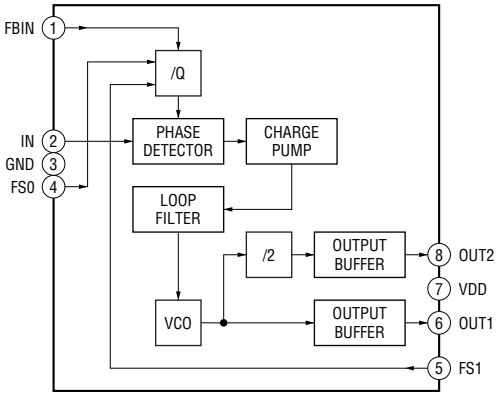
IC3851 TK11225CMCL-G



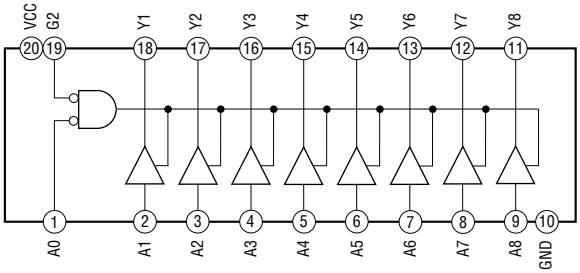
IC3853 SI-3010KM-TL



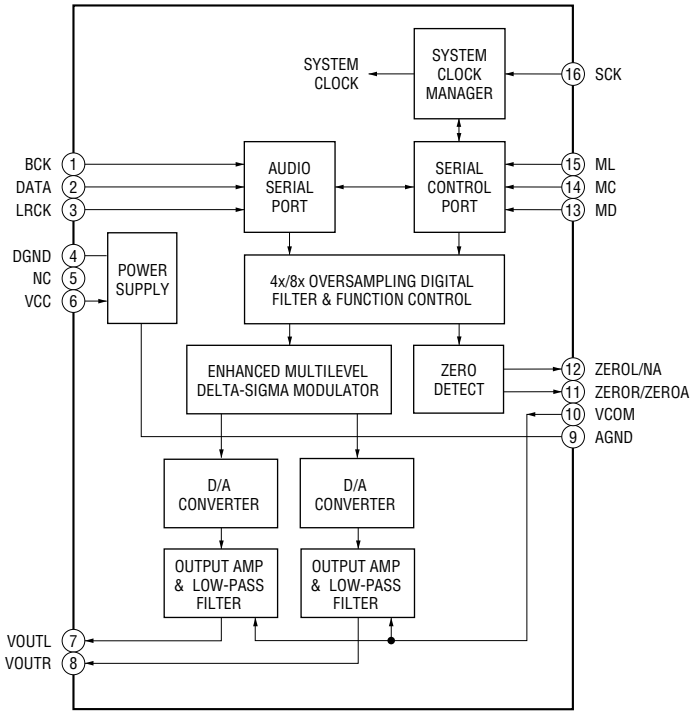
IC3854 CY2302-SXC-1T



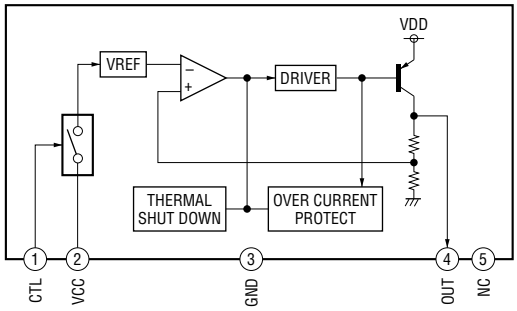
IC3903 TC74VHC541FT (EL)



IC3904 PCM1753DBQR

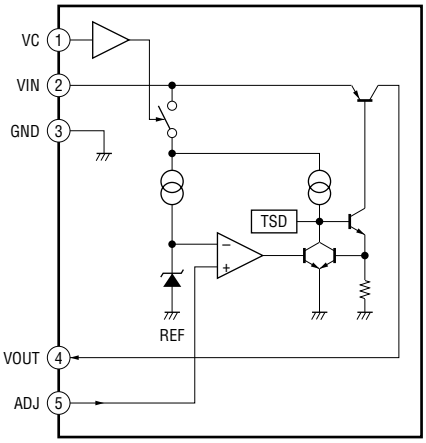


IC3905 BA00BC0WFP-E2

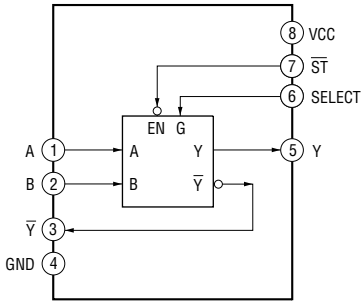


– DSP Board –

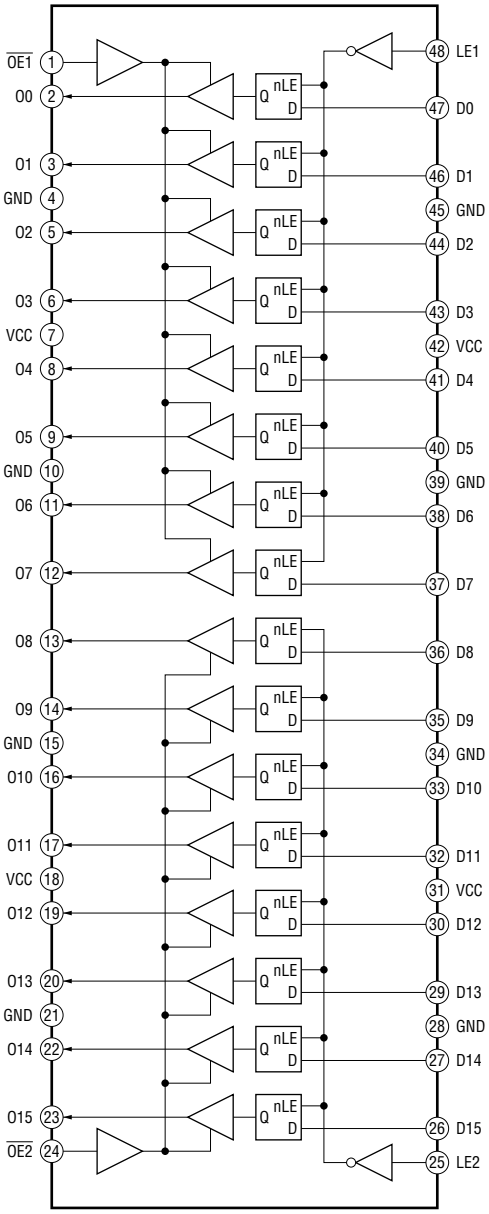
IC1 SI-3010KM-TL



IC4 TC7WH157FK (TE85R)

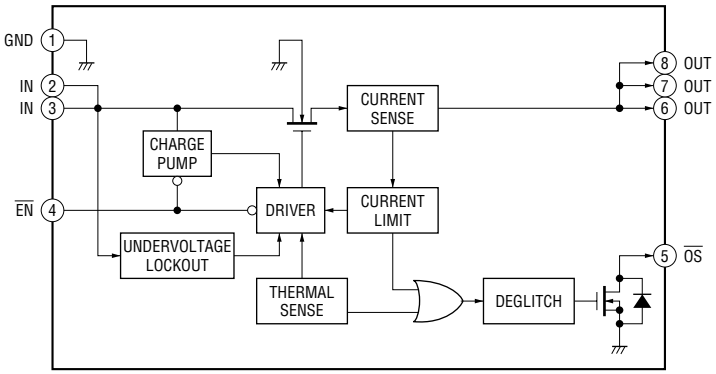


IC6 MC74LCX16373DTR2



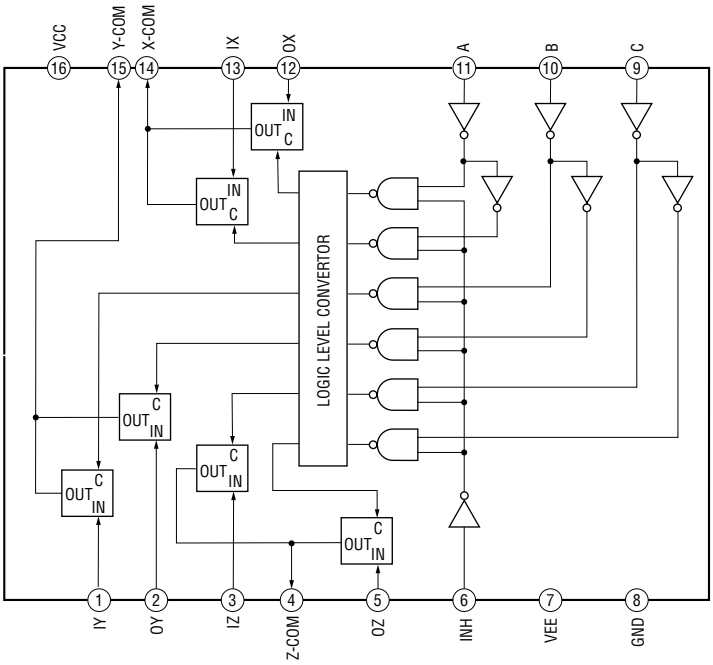
– USB Board –

IC004 TPS2041B

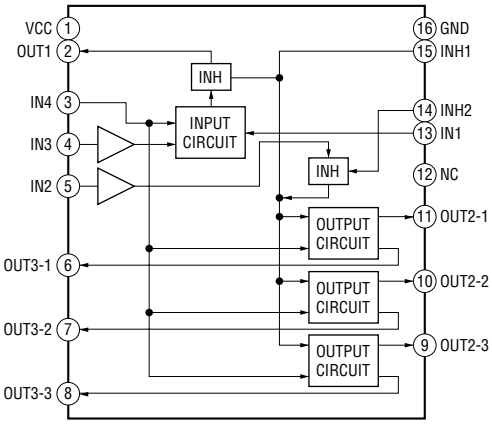


– CIS Board –

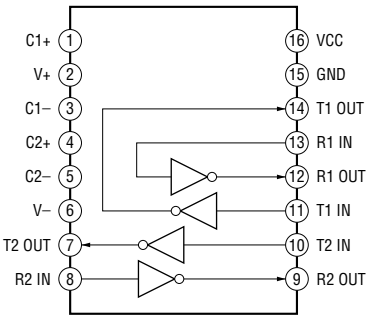
IC802 TC74HC4053AFEL



IC861 NJM2145M-TE2

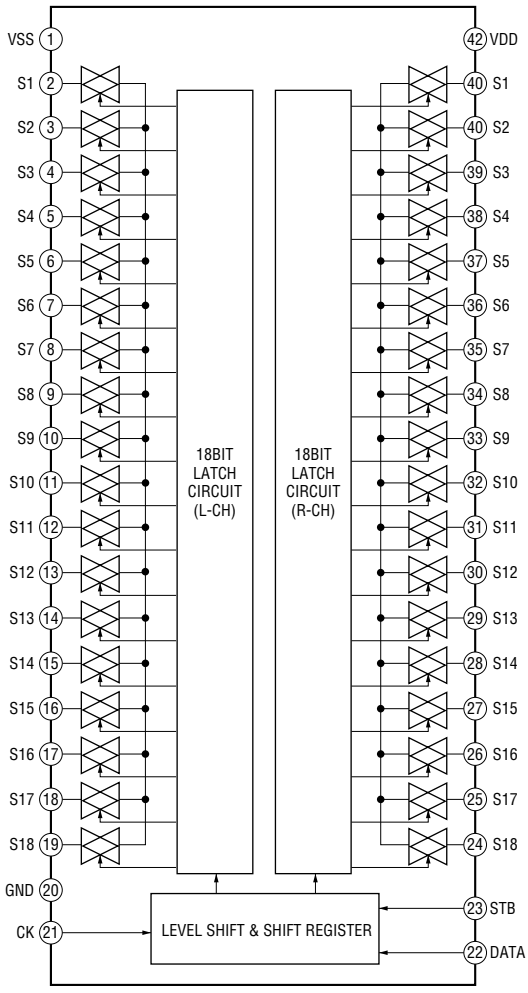


IC881 MAX232N

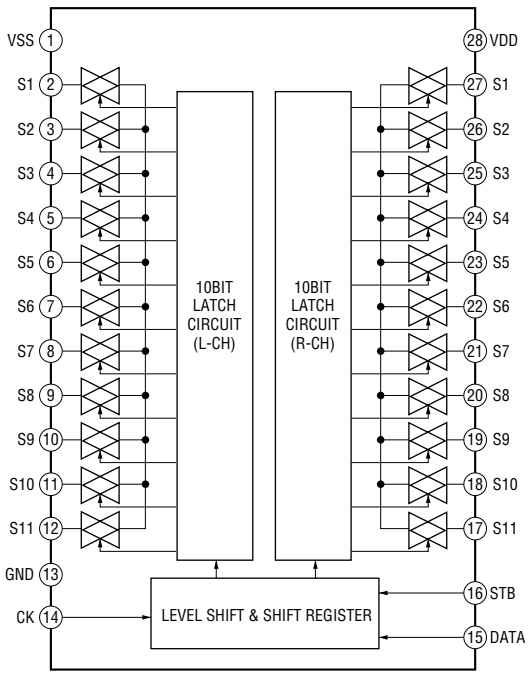


– AUDIO Board –

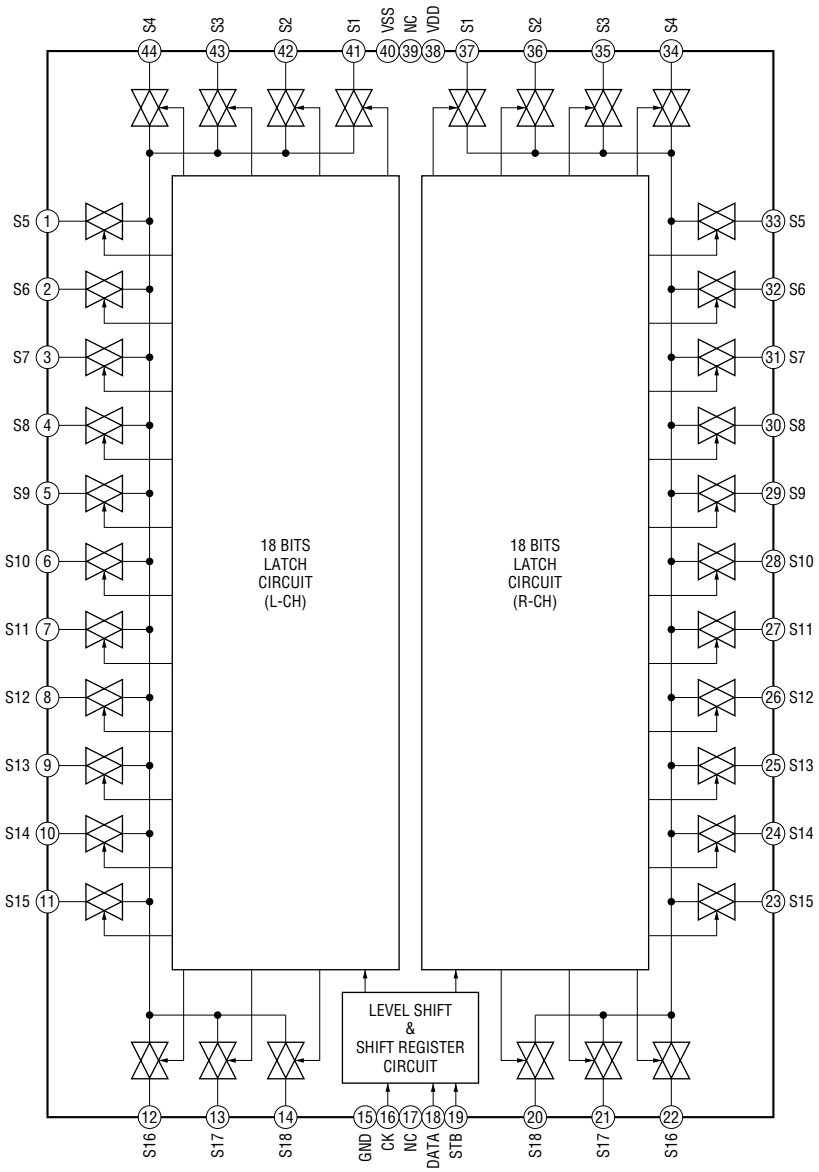
IC401, 501 TC9274CNG-015



IC402 TC9273CFG-004

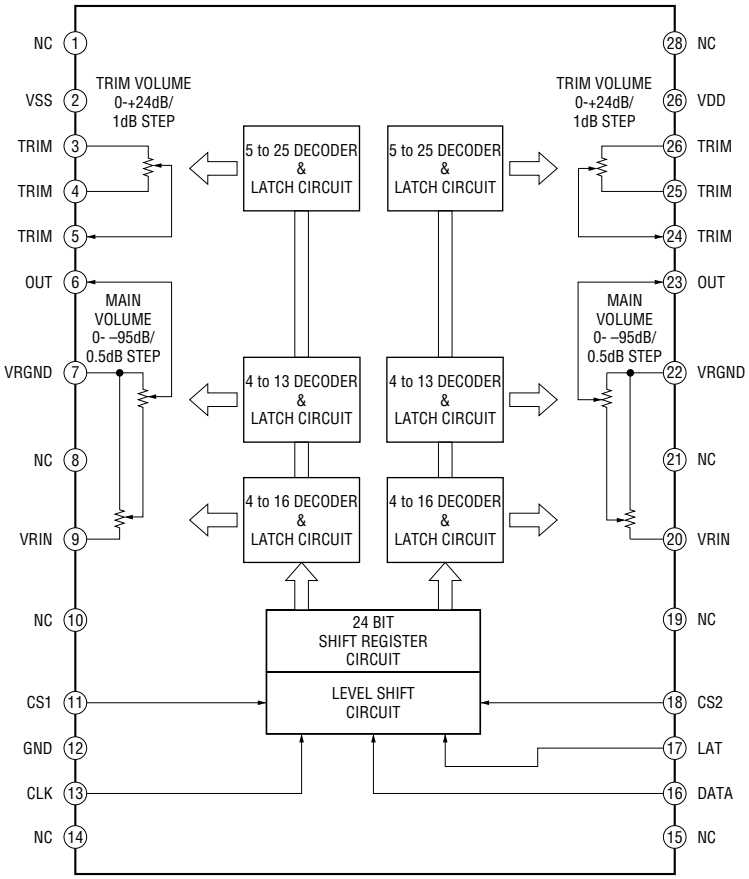


IC600 TC9274CFG-016



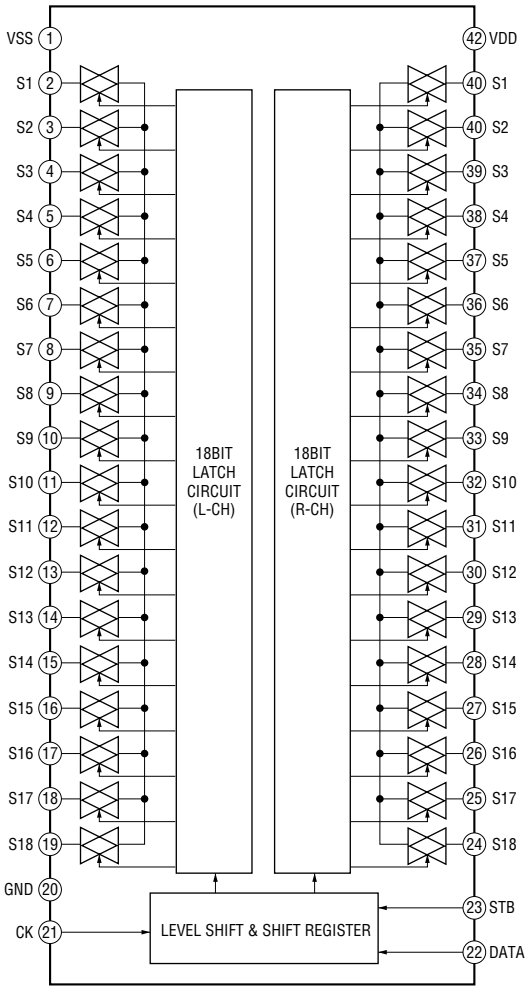
– E-VOLUME Board –

IC1203, 1213, 1223, 1233 CXD9725M-HFL

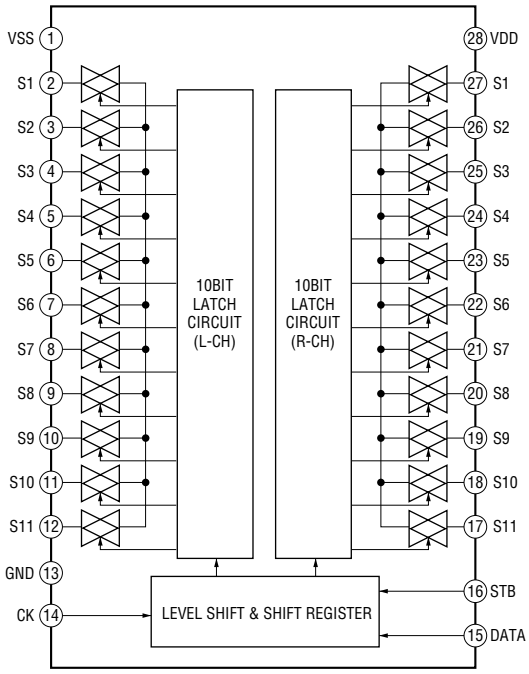


– MAIN Board –

IC1001 TC9274CNG-016

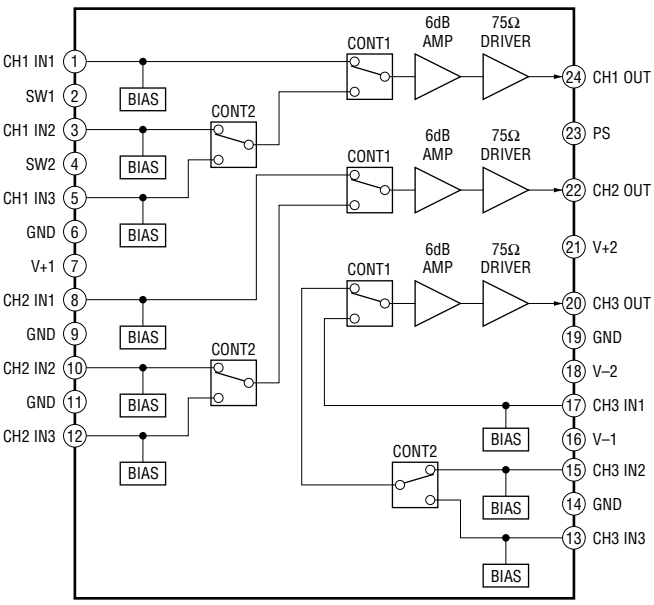


IC1301 TC9273CFG-012 (EL)

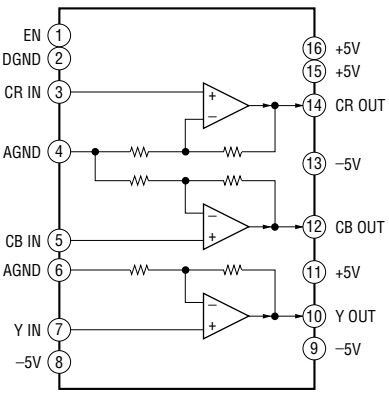


– VIDEO Board –

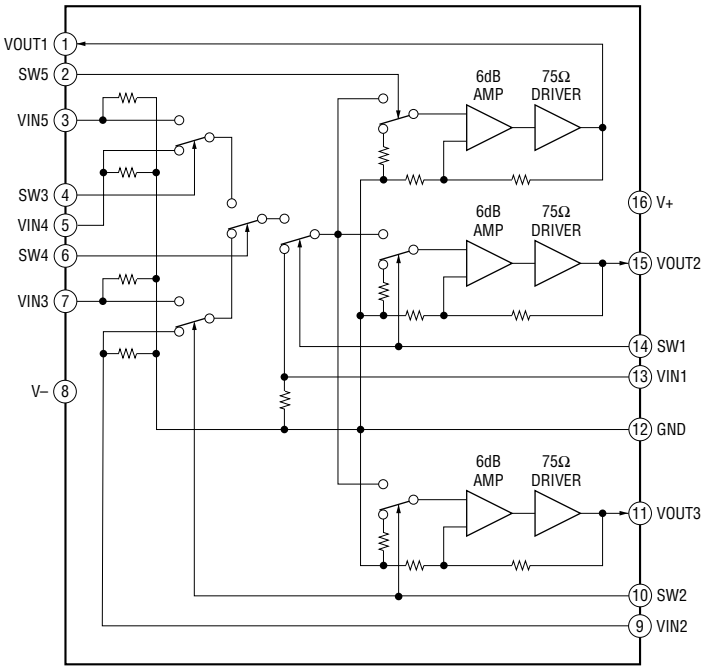
IC6101, 6702 NJM2586AM



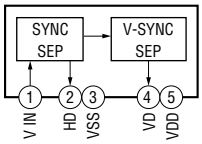
IC6701 LT6553IGN



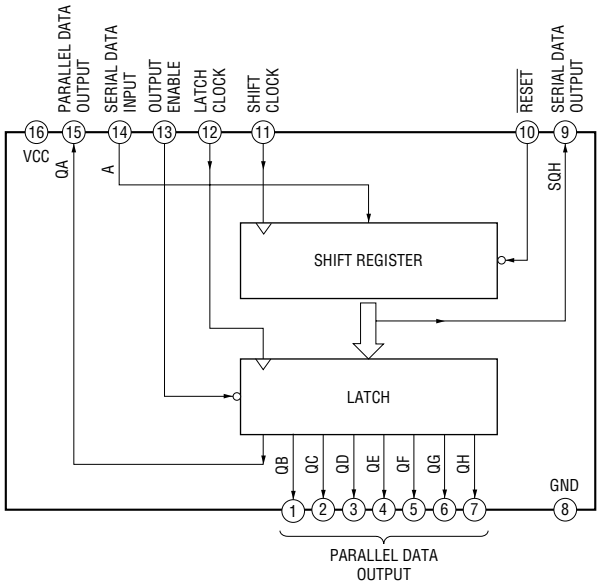
IC6401, 6402 NJM2595M-TE2



IC6703, 6704, 6705 LA7213

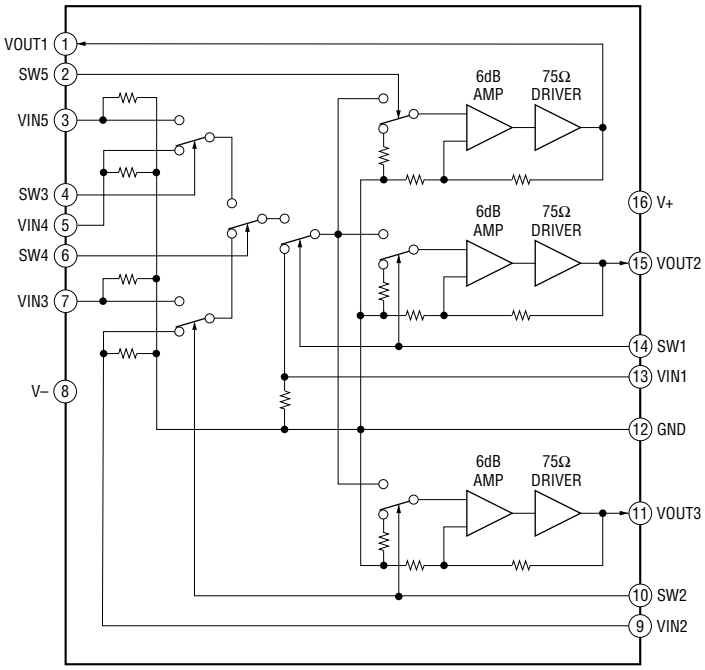


IC6802, 6803 SN74HC595ANS



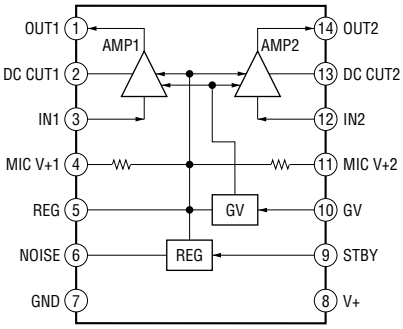
– S-VIDEO Board –

IC6901, 6902 NJM2595M-TE2



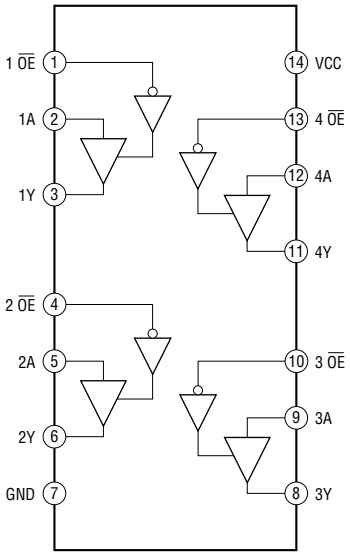
– DISPLAY Board –

IC703 NJM2173AV (TE2)



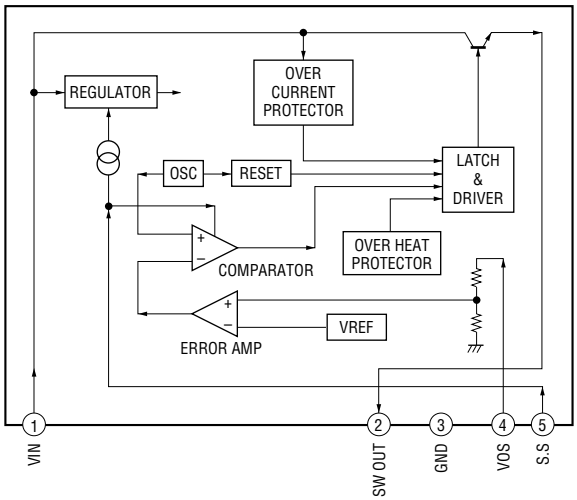
– M-VOLA3 Board –

IC704 TC74VHC125FT (EL)

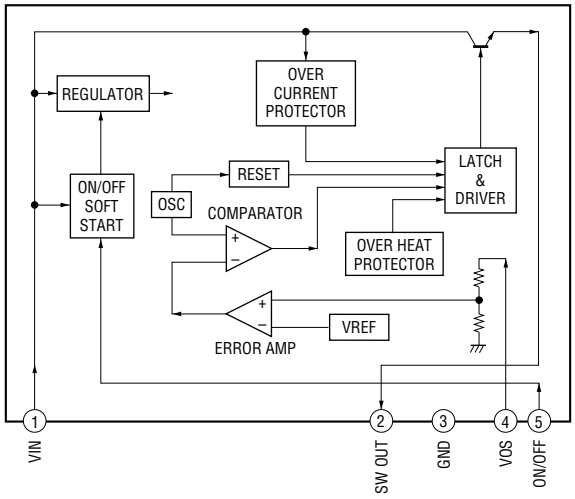


– DCDC-1 Board –

IC1403 SI-8050S-LF1101

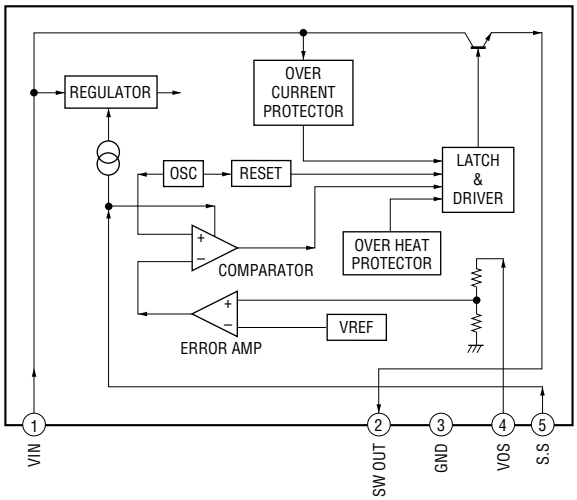


IC1404 SI-8120JF



– DC-DC-HDMI Board –

IC7005 SI-8033S



- **IC Pin Function Description**

DIGITAL BOARD IC2054 MB91F355APMT-06A3ESMAINX105 (SYSTEM CONTROLLER) (AEP and UK models)

MB91F355APMT-06A3ESUMAIN107 (SYSTEM CONTROLLER) (US and Canadian models)

Pin No.	Pin Name	I/O	Description
1, 2	BASS JOG1, BASS JOG2	I	Jog dial pulse input from the rotary encoder (for TUNING)
3. 4	TREB JOG1, TREB JOG2	I	Jog dial pulse input from the rotary encoder (for TONE)
5	SVOL LAT (A90)	O	Serial data latch pulse signal output terminal Not used
6	TUNER LAT	O	Serial data latch pulse signal output to the tuner
7	TUNER DO	I	Serial data input from the tuner
8	TUNED	I	Tuned detection signal input from the tuner
9	STEREO	I	FM stereo detection signal input from the tuner
10	RDS DATA	I	RDS serial data input from the tuner (AEP and UK models only)
11	DATA0	I	Audio serial data input from the digital audio interface
12	DSP RESET	O	System reset signal output to the DSP "L": reset
13	SDP SPDIS ()LAT	O	Serial data latch pulse output to the DSP
14	DSP SPICLK	O	Mic on/off control signal output terminal
15	DSP MISO	-	Not used
16	DSP MOSI	-	Not used
17	VSS	-	Ground terminal
18	VCC	-	Power supply terminal (+3.3V)
19, 20	DSP BCFG0, DSP BCFG1	-	Not used
21	SF CPU CE	O	Chip enable signal output for the serial flash
22	SF DSP MAS	I	Master/slave selection signal input from the DSP "H": DSP is master
23	96/24	-	Not used
24 to 26	TRIG-1 to TRIG-3	O	Trigger signal output terminal
27	COMPO-DET	I	Component video signal detection signal input terminal
28	S-DET	I	Sync detection signal input terminal
29	CVBS-DET	I	CVBS video signal detection signal input terminal
30	DIR XMODE	O	System reset signal output to the digital audio interface "L": reset
31	DIR CE	O	Chip enable signal output to the digital audio interface
32	DIR DO	I	Serial data input from the digital audio interface
33	DIR ERROR	I	PLL lock error signal and data error flag input from the digital audio interface
34	DIR CKST	I	Clock select signal input from the digital audio interface
35	VSS	-	Ground terminal
36	VCC	-	Power supply terminal (+3.3V)
37	AD/DA RESET	O	System reset signal output to the D/A converter "L": reset
38	DAC LAT	O	Serial data latch pulse signal output to the D/A converter
39	DAC DO	I	Serial data input from the D/A converter
40	AD (SB) RESET	O	System reset signal output to the A/D converter and input selector "L": reset
41	ADMIX LAT (A90)	O	Serial data latch pulse signal output terminal Not used
42	PDMIX LAT (A90)	O	Serial data latch pulse signal output terminal Not used
43	RF ERR (A90)	I	Error signal input terminal Not used
44	MUTE	O	System muting on/off control signal output terminal
45	DAVS	-	Ground terminal
46	DAVC	-	Power supply terminal (+3.3V)
47 to 49	NO USE	-	Not used

Pin No.	Pin Name	I/O	Description
50 to 52	AD KEY1 to AD KEY3	I	Front panel key input terminal (A/D input)
53, 54	NO USE	-	Not used
55	VERSION	I	Setting terminal for version
56, 57	NO USE	-	Not used
58	RDS SIGNAL	I	RDS signal input from the tuner (AEP and UK models only)
59 to 61	NO USE	-	Not used
62	AVCC	-	Power supply terminal (+3.3V)
63	AVRH	I	Reference voltage input terminal (+3.3V)
64	AVSS/AVRL	-	Ground terminal
65	VSS	-	Ground terminal
66	VCC	-	Power supply terminal (+3.3V)
67	IH ERROR	I	Error signal input from the HDMI receiver
68	9742 INT	O	Initialize signal output terminal Not used
69	RY595 LAT (A90)	O	Serial data latch pulse signal output terminal Not used
70	C595 LAT (A90)	O	Serial data latch pulse signal output terminal Not used
71	D595 OE	O	Output enable signal output to the data decoder
72	D595 LAT	O	Serial data latch pulse output to the data decoder
73	O595 LAT	O	Serial data latch pulse output to the data decoder
74	FUNC LAT	O	Serial data latch pulse output to the analog input section
75	VOL LAT	O	Serial data latch pulse output to the pre audio section
76	PREOUT RY	O	Relay drive signal (for pre audio section) output terminal
77	V595 OE	O	Output enable signal output to the data decoder
78	V595 LAT	O	Serial data latch pulse output to the data decoder
79	VSS	-	Ground terminal
80	VCC	-	Power supply terminal (+3.3V)
81	FLSH-PN0	-	Not used
82	COM1 CLK	O	Serial data transfer clock signal output terminal
83	FLSH-PN2	-	Not used
84	COM1 DAT	O	Serial data output terminal
85	COM2 CLK	O	Serial data transfer clock signal output terminal
86	COM2 DAT	O	Serial data output terminal
87	OSD LAT	O	Serial data latch pulse signal output terminal Not used
88	OSD DATA	O	Serial data output terminal Not used
89	OSD CLK	O	Serial data transfer clock signal output terminal Not used
90	SB-POW	O	Serial data latch pulse signal output to the D/A converter (US and Canadian models only)
91	RST-TRG	O	Reset signal output terminal
92	HP-MUTE	O	Relay drive signal (for headphone) output terminal
93	VSS	-	Ground terminal
94	UPCON DATA	I/O	Serial data input/output terminal Not used
95	UPCON CLK	O	Serial data transfer clock signal output terminal Not used
96	VSS	-	Ground terminal
97	VCC	-	Power supply terminal (+3.3V)
98	SIRCS IN	I	SIRCS signal input terminal
99	DSP INT	I	Interrupt status input from the DSP
100	RDS CLK	I	RDS serial data transfer clock signal input from the tuner (AEP and UK models only)
101	USB ERROR	I	Error signal input from the USB controller
102	ZONE3_ON	I	Front panel key input terminal (A/D input)

Pin No.	Pin Name	I/O	Description
103	S1	-	Not used
104	MONITOR	-	Not used
105	POW SW IN	I	Power key input terminal
106	D.MIX-LAT	O	Serial data latch pulse signal output to the electrical volume
107	SP-A-RY	O	Relay drive signal (for front-A) output terminal
108	STOP	I	AC off detection signal input terminal
109	SP-B-RY	O	Relay drive signal (for front-B) output terminal
110	C-RY	O	Relay drive signal (for center) output terminal
111	SB-RY	O	Relay drive signal (for surround back) output terminal
112	REAR-RY	O	Relay drive signal (for surround) output terminal
113	PROTECTOR	I	Protect signal input terminal
114	VSS	-	Ground terminal
115	VCC	-	Power supply terminal (+3.3V)
116	DSP MISO	I	Serial data input from the DSP or serial flash
117	DSP MOSI	O	Serial data output to the DSP or serial flash
118	DSP CLK	O	Serial data transfer clock signal output to the DSP
119	XM UART TX	I	UART communication transfer data input from the XM receiver (US and Canadian models only)
120	XM UART RX	O	UART communication receive data output to the XM receiver (US and Canadian models only)
121	XM RESET	O	System reset signal output to the XM receiver (US and Canadian models only)
122	GUI TX	I	Serial data input from the HDMI controller
123	GUI RX	O	Serial data output to the HDMI controller
124	GUI BUSY	O	System reset signal output to the HDMI controller
125	FLASH SI	I	Serial data input terminal
126	FLASH SO	O	Serial data output terminal
127	CONNECT DET	I	USB connection detect signal input terminal
128	USB UART TX	I	UART communication transfer data input from the USB controller
129	USB UART RX	O	UART communication receive data output to the USB controller
130	FL CLR	O	Blanking period signal output to the fluorescent indicator tube
131	FL LAT	O	Serial data latch pulse output to the fluorescent indicator tube
132	FL DATA	O	Serial data output to the fluorescent indicator tube
133	FL CLK	O	Serial data transfer clock signal output to the fluorescent indicator tube
134	NMIX	-	Not used
135	XA-OUT	-	Not used
136	VSS	-	Ground terminal
137	XA-IN	-	Not used
138	MD2	I	Mode setting terminal for service
139, 140	MD1, MD0	I	Model destination signal input terminal
141	X-IN	I	Main system clock input terminal (12.5 MHz)
142	VCC	-	Power supply terminal (+3.3V)
143	X-OUT	O	Main system clock output terminal (12.5 MHz)
144	XRESET	I	System reset signal input terminal "L": reset
145	VSS	-	Ground terminal
146	VCC	-	Power supply terminal (+3.3V)
147	POWER RY1	-	Not used
148	POWER RY2	O	Relay drive signal (for main power) output terminal "H": relay on

Pin No.	Pin Name	I/O	Description
149, 150	FUNCTION JOG1, FUNCTION JOG2	I	Jog dial pulse input from the rotary encoder (for INPUT SELECTOR)
151, 152	VOL JOG1, VOL JOG2	I	Jog dial pulse input from the rotary encoder (for MASTER VOLUME)
153	H.P. IN	I	Headphone detection signal input terminal "H": headphone is connected
154	LED CLR	O	LED drive signal output terminal
155	LED DCS	O	LED drive signal output terminal
156	4/8SWIN	-	Not used
157	4/8RELAY	I	Thermistor connection terminal for abnormal temperature detection (A/D input)
158, 159	SP-SW FA, SP-SW FB	I	Front speaker selection switch input terminal
160	LED MLT ON/OFF	O	LED drive signal output terminal
161	LED MLT DIM	O	LED drive signal output terminal
162	VSS	-	Ground terminal
163	VCC	-	Power supply terminal (+3.3V)
164	FSRATE	I	L/R sampling clock signal (44.1 kHz) input terminal
165	SUB-U DATA	-	Not used
166	NO USE	-	Not used
167	EEPROM SDA	I/O	Two-way data bus with the EEPROM
168	EEPROM SCL	O	Serial data transfer clock signal output to the EEPROM
169	XM REQ	I	Interrupt request signal input from the XM receiver (US and Canadian models only)
170	XM COMMAND	O	Commande mode select signal output to the XM receiver (US and Canadian models only)
171	USB DI	O	Serial data output to the USB controller
172	USB RESET	O	System reset signal output to the USB controller
173	GUI RST	O	System reset signal output to the HDMI controller
174	USB DO	I	Serial data input from the USB controller
175	VSS	-	Ground terminal
176	VCC	-	Power supply terminal (+3.3V)

HDMI BOARD IC3503 TMDS341PFCR (HDMI INPUT SELECT)

Pin No.	Pin Name	I/O	Description
1	NC	-	Not used
2	SDA1	I/O	I2C two-way data bus with the HDMI IN3 jack
3	SCL1	I	I2C clock signal input from the HDMI IN3 jack
4	GND	-	Ground terminal
5	B11	I	TMDS clock signal (negative) input from the HDMI IN3 jack
6	A11	I	TMDS clock signal (positive) input from the HDMI IN3 jack
7	VCC	-	Power supply terminal (+3.3V)
8	B12	I	TMDS data (negative) input from the HDMI IN3 jack
9	A12	I	TMDS data (positive) input from the HDMI IN3 jack
10	GND	-	Ground terminal
11	B13	I	TMDS data (negative) input from the HDMI IN3 jack
12	A13	I	TMDS data (positive) input from the HDMI IN3 jack
13	VCC	-	Power supply terminal (+3.3V)
14	B14	I	TMDS data (negative) input from the HDMI IN3 jack
15	A14	I	TMDS data (positive) input from the HDMI IN3 jack
16	GND	-	Ground terminal
17	VCC	-	Power supply terminal (+3.3V)
18	VSADJ	I	TMDS compliant voltage swing control signal input terminal Not used
19	PRE	I	Output de-emphasis setting terminal "L": 0 dB, "H": 3 dB Fixed at "L" in this set
20	NC	-	Not used
21 to 23	S1 to S3	I	Source selection signal input from the HDMI controller
24	GND	-	Ground terminal
25	Y4	O	TMDS data (positive) output to the HDMI receiver
26	Z4	O	TMDS data (negative) output to the HDMI receiver
27	VCC	-	Power supply terminal (+3.3V)
28	Y3	O	TMDS data (positive) output to the HDMI receiver
29	Z3	O	TMDS data (negative) output to the HDMI receiver
30	GND	-	Ground terminal
31	Y2	O	TMDS data (positive) output to the HDMI receiver
32	Z2	O	TMDS data (negative) output to the HDMI receiver
33	VCC	-	Power supply terminal (+3.3V)
34	Y1	O	TMDS data (positive) output to the HDMI receiver
35	Z1	O	TMDS data (negative) output to the HDMI receiver
36, 37	GND	-	Ground terminal
38	SCL_SINK	O	I2C clock signal output to the HDMI receiver
39	SDA_SINK	I/O	I2C two-way data bus with the HDMI receiver
40	HPD_SINK	I	Hot plug detection signal input from the HDMI controller
41	NC	-	Not used
42	xOE	I	Chip enable signal input terminal Not used
43	VCC	-	Power supply terminal (+3.3V)
44	HPD3	O	Hot plug detection signal output to the HDMI IN1 jack
45	SDA3	I/O	I2C two-way data bus with the HDMI IN1 jack
46	SCL3	I	I2C clock signal input from the HDMI IN1 jack
47	GND	-	Ground terminal
48	B31	I	TMDS clock signal (negative) input from the HDMI IN1 jack
49	A31	I	TMDS clock signal (positive) input from the HDMI IN1 jack

Pin No.	Pin Name	I/O	Description
50	VCC	-	Power supply terminal (+3.3V)
51	B32	I	TMDS data (negative) input from the HDMI IN1 jack
52	A32	I	TMDS data (positive) input from the HDMI IN1 jack
53	GND	-	Ground terminal
54	B33	I	TMDS data (negative) input from the HDMI IN1 jack
55	A33	I	TMDS data (positive) input from the HDMI IN1 jack
56	VCC	-	Power supply terminal (+3.3V)
57	B34	I	TMDS data (negative) input from the HDMI IN1 jack
58	A34	I	TMDS data (positive) input from the HDMI IN1 jack
59	GND	-	Ground terminal
60	NC	-	Not used
61	VCC	-	Power supply terminal (+3.3V)
62	HPD3	O	Hot plug detection signal output to the HDMI IN2 jack
63	SDA3	I/O	I2C two-way data bus with the HDMI IN2 jack
64	SCL3	I	I2C clock signal input from the HDMI IN2 jack
65	GND	-	Ground terminal
66	B31	I	TMDS clock signal (negative) input from the HDMI IN2 jack
67	A31	I	TMDS clock signal (positive) input from the HDMI IN2 jack
68	VCC	-	Power supply terminal (+3.3V)
69	B32	I	TMDS data (negative) input from the HDMI IN2 jack
70	A32	I	TMDS data (positive) input from the HDMI IN2 jack
71	GND	-	Ground terminal
72	B33	I	TMDS data (negative) input from the HDMI IN2 jack
73	A33	I	TMDS data (positive) input from the HDMI IN2 jack
74	VCC	-	Power supply terminal (+3.3V)
75	B34	I	TMDS data (negative) input from the HDMI IN2 jack
76	A34	I	TMDS data (positive) input from the HDMI IN2 jack
77	GND	-	Ground terminal
78	NC	-	Not used
79	VCC	-	Power supply terminal (+3.3V)
80	HPD1	O	Hot plug detection signal output to the HDMI IN3 jack

HDMI BOARD IC3511 SII9011CLU (HDMI RECEIVER)

Pin No.	Pin Name	I/O	Description
1	VSYNC	O	Vertical synchronize signal output to the HDMI transmitter
2 to 5	QO23 to QO20	-	Not used
6	IOGND	-	Ground terminal
7	IOVCC	-	Power supply terminal (+3.3V)
8 to 11	QO19 to QO16	-	Not used
12	CVCC18	-	Power supply terminal (+1.8V)
13	CGND	-	Ground terminal
14 to 17	QO15 to QO12	-	Not used
18	IOGND	-	Ground terminal
19	IOVCC	-	Power supply terminal (+3.3V)
20 to 23	QO11 to QO8	-	Not used
24	CVCC18	-	Power supply terminal (+1.8V)
25	CGND	-	Ground terminal
26 to 29	QO7 to QO4	-	Not used
30	IOGND	-	Ground terminal
31	IOVCC	-	Power supply terminal (+3.3V)
32 to 35	QO3 to QO0	-	Not used
36	CVCC18	-	Power supply terminal (+1.8V)
37	CGND	-	Ground terminal
38	CI2CA	-	Not used
39	CSDA	I/O	I2C two-way data bus with the HDMI section
40	CSCL	I	I2C clock signal input from the HDMI controller
41	DSDA	I/O	I2C two-way data bus with the HDMI input select
42	DSCL	I	I2C clock signal input from the HDMI input select
43	NC	-	Not used
44	PWR5V	I	HDMI IN1/IN2/IN3 jack detection signal input terminal
45	CVCC18	-	Power supply terminal (+1.8V)
46	PGND	-	Ground terminal
47	PVCC	-	Power supply terminal (+3.3V)
48	RSVD	-	Not used
49	AVCC	-	Power supply terminal (+3.3V)
50	RXC-	I	TMDS clock signal input from the HDMI IN1/IN2/IN3 jack
51	RXC+	I	TMDS clock signal input from the HDMI IN1/IN2/IN3 jack
52	AGND	-	Ground terminal
53	AVCC	-	Power supply terminal (+3.3V)
54	RX0-	I	TMDS data input from the HDMI IN1/IN2/IN3 jack
55	RX0+	I	TMDS data input from the HDMI IN1/IN2/IN3 jack
56	AGND	-	Ground terminal
57	AVCC	-	Power supply terminal (+3.3V)
58	RX1-	I	TMDS data input from the HDMI IN1/IN2/IN3 jack
59	RX1+	I	TMDS data input from the HDMI IN1/IN2/IN3 jack
60	AGND	-	Ground terminal
61	AVCC	-	Power supply terminal (+3.3V)
62	RX2-	I	TMDS data input from the HDMI IN1/IN2/IN3 jack
63	RX2+	I	TMDS data input from the HDMI IN1/IN2/IN3 jack
64	AGND	-	Ground terminal

Pin No.	Pin Name	I/O	Description
65	DGND	-	Ground terminal
66	DVCC18	-	Power supply terminal (+1.8V)
67	MUTE	O	Audio muting signal output terminal
68	IOVCC	-	Power supply terminal (+3.3V)
69	IOGND	-	Ground terminal
70	SPDIF	O	S/PDIF signal output to the digital audio interface and HDMI transmitter
71 to 74	SD3 to SD0	O	Serial data output to the DSP and HDMI transmitter
75	WS	O	Word select signal output to the DSP and HDMI transmitter
76	SCK	O	Serial clock signal output to the DSP and HDMI transmitter
77	IOVCC	-	Power supply terminal (+3.3V)
78	IOGND	-	Ground terminal
79	MCLK	O	Audio master clock signal output to the DSP and HDMI transmitter
80	CGND	-	Ground terminal
81	CVCC18	-	Power supply terminal (+1.8V)
82	AUDPVCC18	-	Power supply terminal (+1.8V)
83	AUDPGND	-	Ground terminal
84	XTALOUT	O	System clock output terminal (28.322 MHz)
85	XTALIN	I	System clock input terminal (28.322 MHz)
86	XTALVCC	-	Power supply terminal (+3.3V)
87	REGVCC	-	Power supply terminal (+3.3V)
88	RSVDL	-	Not used
89	RESET	I	Reset signal input from the HDMI controller "L": reset
90	SCDT	-	Not used
91	INT	O	Interrupt signal output to the HDMI controller
92 to 96	QE23 to QE19	O	Serial data output to the HDMI transmitter, video processor and D/A converter
97	IOGND	-	Ground terminal
98	IOVCC	-	Power supply terminal (+3.3V)
99 to 105	QE18 to QE12	O	Serial data output to the HDMI transmitter, video processor and D/A converter
106	IOGND	-	Ground terminal
107	IOVCC	-	Power supply terminal (+3.3V)
108 to 111	QE11 to QE8	O	Serial data output to the HDMI transmitter, video processor and D/A converter
112	CVCC18	-	Power supply terminal (+1.8V)
113	CGND	-	Ground terminal
114 to 117	QE7 to QE4	O	Serial data output to the HDMI transmitter, video processor and D/A converter
118	IOGND	-	Ground terminal
119	ODCK	O	Output data clock signal output to the HDMI transmitter
120	IOVCC	-	Power supply terminal (+3.3V)
121 to 124	QE3 to QE0	O	Serial data output to the HDMI transmitter, video processor and D/A converter
125	CGND	-	Ground terminal
126	CVCC18	-	Power supply terminal (+1.8V)
127	DE	O	Data enable signal output to the HDMI transmitter
128	HSYNC	O	Horizontal synchronize signal output to the HDMI transmitter

HDMI BOARD IC3513 SII9030CTU-7 (HDMI TRANSCEIVER)

Pin No.	Pin Name	I/O	Description
1	HSYNC	I	Horizontal synchronize signal input from the HDMI receiver
2	VSYNC	I	Vertical synchronize signal input from the HDMI receiver
3	CGND	-	Ground terminal
4	CVCC18	-	Power supply terminal (+1.8V)
5	SPDIF	I	S/PDIF signal input from the HDMI receiver
6	MCLK	I	Audio master clock signal input from the HDMI receiver
7 to 10	SD3 to SD0	I	Serial data input from the HDMI receiver
11	WS	I	Word select signal input from the HDMI receiver
12	SCK	I	Serial clock signal input from the HDMI receiver
13	IOVCC	-	Power supply terminal (+3.3V)
14	IOGND	-	Ground terminal
15	CGND	-	Ground terminal
16	CVCC18	-	Power supply terminal (+1.8V)
17	INT	O	Interrupt signal output to the HDMI controller
18	HPD	I	Hot plug detection signal input from the HDMI OUT jack
19	DSDA	I/O	I2C two-way data bus with the HDMI OUT jack
20	DSCL	O	I2C clock signal output to the HDMI OUT jack
21	RSVDL	-	Not used
22	PGND1	-	Ground terminal
23	PVCC1	-	Power supply terminal (+3.3V)
24	EXT_SWING	-	Not used
25	AGND	-	Ground terminal
26	TXC-	O	TMDS clock signal output to the HDMI OUT jack
27	TXC+	O	TMDS clock signal output to the HDMI OUT jack
28	AVCC	-	Power supply terminal (+3.3V)
29	TX0-	O	TMDS data output to the HDMI OUT jack
30	TX0+	O	TMDS data output to the HDMI OUT jack
31	AGND	-	Ground terminal
32	TX1-	O	TMDS data output to the HDMI OUT jack
33	TX1+	O	TMDS data output to the HDMI OUT jack
34	AVCC	-	Power supply terminal (+3.3V)
35	TX2-	O	TMDS data output to the HDMI OUT jack
36	TX2+	O	TMDS data output to the HDMI OUT jack
37	AGND	-	Ground terminal
38	PVCC2	-	Power supply terminal (+3.3V)
39	PGND2	-	Ground terminal
40	NC	-	Not used
41	CI2CA	-	Not used
42	RESET	I	Reset signal input from the HDMI controller "L": reset
43	CSCL	I	I2C clock signal input from the HDMI controller
44	CSDA	I/O	I2C two-way data bus with the HDMI section
45	CVCC18	-	Power supply terminal (+1.8V)
46	CGND	-	Ground terminal
47	IOGND	-	Ground terminal
48	IOVCC	-	Power supply terminal (+3.3V)
49 to 58	D23 to D14	I	Serial data input from the HDMI receiver and video processor

Pin No.	Pin Name	I/O	Description
59	CVCC18	-	Power supply terminal (+1.8V)
60	CGND	-	Ground terminal
61 to 65	D13 to D9	I	Serial data input from the HDMI receiver and video processor
66	IDCK	I	Output data clock signal input from the HDMI receiver
67 to 70	D8 to D5	I	Serial data input from the HDMI receiver and video processor
71	IOVCC	-	Power supply terminal (+3.3V)
72	IOGND	-	Ground terminal
73	CGND	-	Ground terminal
74	CVCC18	-	Power supply terminal (+1.8V)
75 to 79	D4 to D0	I	Serial data input from the HDMI receiver and video processor
80	DE	I	Data enable signal input from the HDMI receiver

HDMI BOARD IC3601 FLI8662-LF-BC (VIDEO PROCESSOR)

Pin No.	Pin Name	I/O	Description
A1	NC	-	Not used
A2	MSTR1_SDA	I	Power on/off detection signal input from the video processor
A3	MSTR1_SCL	I	Busy signal input from the video processor
A4, A5	FSDATA1, FSDATA3	I/O	Two-way data bus with the SD-RAM
A6	FSDQM0	O	Lower data mask signal output to the SD-RAM
A7 to A10	FSDATA5, FSDATA7, FSDATA9, FSDATA11	I/O	Two-way data bus with the SD-RAM
A11	FSDQM1	O	Upper data mask signal output to the SD-RAM
A12, A13	FSDATA13, FSDATA15	I/O	Two-way data bus with the SD-RAM
A14	VDDA18_DLL	-	Power supply terminal (+1.8V)
A15, A16	FSDATA17, FSDATA19	I/O	Two-way data bus with the SD-RAM
A17	FSDQS2	O	Upper data strobe signal output to the SD-RAM
A18 to A21	FSDATA21, FSDATA23, FSDATA25, FSDATA27	I/O	Two-way data bus with the SD-RAM
A22	FSDQS3	O	Lower data strobe signal output to the SD-RAM
A23, A24	FSDATA29, FSDATA31	I/O	Two-way data bus with the SD-RAM
A25, A26	RPLL_AGND	-	Ground terminal
B1	BDATA0	I	Digital video signal (B) input from the video processor
B2	OCM_UDO_1	O	UART communication transfer data output to the video processor
B3	OCM_UDI_1	I	UART communication transfer data input from the video processor
B4, B5	FSDATA0, FSDATA2	I/O	Two-way data bus with the SD-RAM
B6	FSDQS0	O	Upper data strobe signal output to the SD-RAM
B7 to B10	FSDATA4, FSDATA6, FSDATA8, FSDATA10	I/O	Two-way data bus with the SD-RAM
B11	FSDQS1	O	Lower data strobe signal output to the SD-RAM
B12, B13	FSDATA12, FSDATA14	I/O	Two-way data bus with the SD-RAM
B14	VSSA18_DLL	-	Ground terminal
B15, B16	FSDATA16, FSDATA18	I/O	Two-way data bus with the SD-RAM
B17	FSDQM2	O	Lower data mask signal output to the SD-RAM
B18 to B21	FSDATA20, FSDATA22, FSDATA24, FSDATA26	I/O	Two-way data bus with the SD-RAM
B22	FSDQM3	O	Upper data mask signal output to the SD-RAM

Pin No.	Pin Name	I/O	Description
B23, B24	FSDATA28, FSDATA30	I/O	Two-way data bus with the SD-RAM
B25	RPLL_DGND	-	Ground terminal
B26	XTAL	O	System clock output terminal (19.6608 MHz)
C1 to C3	BDATA3 to BDATA1	I	Digital video signal (B) input from the video processor
C4	FSCKE	O	Clock enable signal output to the SD-RAM
C5	FSCLKN	O	Clock signal (negative) output to the SD-RAM
C6 to C8	FSADDR8 to FSADDR6	O	Address signal output to the SD-RAM
C9	FSVREF	O	Reference voltage output to the SD-RAM
C10 to C18	FSADDR5, FSADDR12, FSADDR9, FSADDR4, FSADDR11, FSADDR3, FSADDR2, FSADDR1, FSADDR0	O	Address signal output to the SD-RAM
C19	FSVREF	O	Reference voltage output to the SD-RAM
C20, C21	FSBKSEL1, FSBKSEL0	O	Bank select signal output to the SD-RAM
C22	FSCS1	O	Chip select signal output terminal Not used
C23	FSWE	O	Write enable signal output to the SD-RAM
C24	FSRAS	O	Row address strobe signal output to the SD-RAM
C25	TCLK	I	System clock input terminal (19.6608 MHz)
C26	RPLL_1.8V	-	Power supply terminal (+1.8V)
D1	BDATA6	I	Digital video signal input terminal Not used
D2, D3	BDATA5, BDATA4	I	Digital video signal (B) input from the video processor
D4	DDR_2.5V	-	Power supply terminal (+2.5V)
D5	FSCLKP	O	Clock signal (positive) output to the SD-RAM
D6 to D8	DDR_2.5V	-	Power supply terminal (+2.5V)
D9	FSVREFVSS	-	Ground terminal
D10 to D15	DDR_2.5V	-	Power supply terminal (+2.5V)
D16	FSADDR10	O	Address signal output to the SD-RAM
D17, D18	DDR_2.5V	-	Power supply terminal (+2.5V)
D19	FSVREFVSS	-	Ground terminal
D20	DDR_2.5V	-	Power supply terminal (+2.5V)
D21	FSCS0	O	Chip select signal output to the SD-RAM
D22, D23	DDR_2.5V	-	Power supply terminal (+2.5V)
D24	FSCAS	O	Column address strobe signal output to the SD-RAM
D25	RPLL_3.3V	-	Power supply terminal (+3.3V)
D26	NC	-	Not used
E1, E2	BDATA9, BDATA8	I	Digital video signal (G) input from the video processor
E3	BDATA7	I	Digital video signal input terminal Not used

Pin No.	Pin Name	I/O	Description
E4	I/O_3.3V	-	Power supply terminal (+3.3V)
E23, E24	PD22, PD23	I/O	Serial data input/output with the HDMI receiver, HDMI transceiver and D/A converter
E25	LVDS_GND	-	Ground terminal
E26	LVDS_3.3V	-	Power supply terminal (+3.3V)
F1 to F3	BDATA12 to BDATA10	I	Digital video signal (G) input from the video processor
F4	I/O_3.3V	-	Power supply terminal (+3.3V)
F23 to F26	PD18 to PD21	I/O	Serial data input/output with the HDMI receiver, HDMI transceiver and D/A converter
G1, G2	BDATA15, BDATA14	I	Digital video signal input terminal Not used
G3	BDATA13	I	Digital video signal (G) input from the video processor
G4	I/O_3.3V	-	Power supply terminal (+3.3V)
G23 to G26	PD14 to PD17	I/O	Serial data input/output with the HDMI receiver, HDMI transceiver and D/A converter
H1 to H3	BDATA18 to BDATA16	I	Digital video signal (R) input from the video processor
H4	I/O_3.3V	-	Power supply terminal (+3.3V)
H23	LVDS_PLL_GND	-	Ground terminal
H24	LVDS_PLL_3.3V	-	Power supply terminal (+3.3V)
H25	LVDS_GND	-	Ground terminal
H26	LVDS_3.3V	-	Power supply terminal (+3.3V)
J1 to J3	BDATA18 to BDATA16	I	Digital video signal (R) input from the video processor
J4	I/O_3.3V	-	Power supply terminal (+3.3V)
J23, J24	PD12, PD13	I/O	Serial data input/output with the HDMI receiver, HDMI transceiver and D/A converter
J25	LVDS_GND	-	Ground terminal
J26	LVDS_3.3V	-	Power supply terminal (+3.3V)
K1	BHREF_DE	I	Blanking period signal input from the OSD controller
K2, K3	BDATA23, BDATA22	I	Digital video signal input terminal Not used
K4	I/O_3.3V	-	Power supply terminal (+3.3V)
K10, K11	CORE_1.8V	-	Power supply terminal (+1.8V)
K12 to K15	D_GND	-	Ground terminal
K16, K17	CORE_1.8V	-	Power supply terminal (+1.8V)
K23 to K26	PD8 to PD11	I/O	Serial data input/output with the HDMI receiver, HDMI transceiver and D/A converter
L1	IPCLK3	I	Clock signal input terminal Not used
L2	BVS	I	Vertical synchronize signal input from the OSD controller
L3	BHS	I	Horizontal synchronize signal input from the OSD controller
L4	I/O_3.3V	-	Power supply terminal (+3.3V)
L10	D_GND	-	Ground terminal
L11	CORE_1.8V	-	Power supply terminal (+1.8V)
L12 to L15	D_GND	-	Ground terminal
L16	CORE_1.8V	-	Power supply terminal (+1.8V)
L17	D_GND	-	Ground terminal
L23 to L26	PD4 to PD7	I/O	Serial data input/output with the HDMI receiver, HDMI transceiver and D/A converter

Pin No.	Pin Name	I/O	Description
M1	DIP_CLEAN_HS_OUT	O	Horizontal synchronize signal output terminal Not used
M2	DIP_EXT_CLAMP	-	Not used
M3	DIP_EXT_COAST	-	Not used
M4	IPCLK2	I	Dot clock signal input from the OSD controller
M10 to M17	D_GND	-	Ground terminal
M23	I/O_3.3V	-	Power supply terminal (+3.3V)
M24, M25	LVDS_GND	-	Ground terminal
M26	LVDS_3.3V	-	Power supply terminal (+3.3V)
N1	IPCLK0	I	Clock signal input terminal Not used
N2	DIP_RAM_HS_CS	-	Not used
N3	DIP_AODD	-	Not used
N4	DIP_BODD	-	Not used
N10 to N17	D_GND	-	Ground terminal
N23 to N26	PD0 to PD3	I/O	Serial data input/output with the HDMI receiver, HDMI transceiver and D/A converter
P1 to P3	ADATA2 to ADATA0	-	Not used
P4	IPCLK0	I	Clock signal input terminal Not used
P10 to P17	D_GND	-	Ground terminal
P23	I/O_3.3V	-	Power supply terminal (+3.3V)
P24	DCLK	I	Output data clock signal input from the HDMI receiver
P25	DHS	I	Horizontal synchronize signal input from the HDMI receiver
P26	DEN	I	Data enable signal input from the HDMI receiver
R1 to R4	ADATA6 to ADATA3	-	Not used
R10 to R17	D_GND	-	Ground terminal
R23	JTAG_BS_TDI	-	Not used
R24	JTAG_BS_RST	-	Not used
R25	JTAG_BS_TCK	-	Not used
R26	DVS	I	Vertical synchronize signal input from the HDMI receiver
T1 to T4	ADATA10 to ADATA7	-	Not used
T10	D_GND	-	Ground terminal
T11	CORE_1.8V	-	Power supply terminal (+1.8V)
T12 to T15	D_GND	-	Ground terminal
T16, T17	CORE_1.8V	-	Power supply terminal (+1.8V)
T23	I/O_3.3V	-	Power supply terminal (+3.3V)
T24	JTAG_BS_TMS	-	Not used
T25	JTAG_BS_TDO	-	Not used
T26	GPIO_44	-	Not used

Pin No.	Pin Name	I/O	Description
U1 to U4	ADATA14 to ADATA11	-	Not used
U10, U11	CORE_1.8V	-	Power supply terminal (+1.8V)
U12 to U15	D_GND	-	Ground terminal
U16, U17	CORE_1.8V	-	Power supply terminal (+1.8V)
U23, U24	PWM1, PWM2	-	Not used
U25	PPWR	-	Not used
U26	PBIAS	-	Not used
V1 to V4	ADATA18 to ADATA15	-	Not used
V23	I/O_3.3V	-	Power supply terminal (+3.3V)
V24	PWM0	-	Not used
V25	SLAVE_SDA	-	Not used
V26	SLAVE_SCL	-	Not used
W1 to W4	ADATA22 to ADATA19	-	Not used
W23	OCM_INT1	-	Not used
W24	OCM_TIMER1	-	Not used
W25	OCM_UDI_0	-	Not used
W26	OCM_UDO_0	-	Not used
Y1	AVS	-	Not used
Y2	AHS	-	Not used
Y3	AHREF_DE	-	Not used
Y4	ATATA23	-	Not used
Y23	I/O_3.3V	-	Power supply terminal (+3.3V)
Y24	OCM_INT2	-	Not used
Y25	VGA1_SDA	-	Not used
Y26	VGA1_SCL	-	Not used
AA1	NC	-	Not used
AA2 to AA4	DGND_ADC	-	Ground terminal
AA23	MSTR0_SDA	-	Not used
AA24	MSTR0_SCL	-	Not used
AA25	VGA0_SDA	-	Not used
AA26	VGA0_SCL	-	Not used
AB1	A1P	I	Video signal input (CR) terminal
AB2	SV1P	-	Not used
AB3	AGND_ADC	-	Ground terminal
AB4	ADC_1.8V	-	Power supply terminal (+1.8V)
AB23	I/O_3.3V	-	Power supply terminal (+3.3V)
AB24	IRO	-	Not used
AB25	MSTR2_SDA	-	Not used
AB26	MSTR2_SCL	-	Not used
AC1	C1P	I	Video signal input (component video) terminal
AC2	B1P	I	Video signal input (CB) terminal
AC3	AGND_ADC	-	Ground terminal
AC4, AC5	ADC_1.8V	-	Power supply terminal (+1.8V)

Pin No.	Pin Name	I/O	Description
AC6	AGND_ADC	-	Ground terminal
AC7	VOUT2	-	Not used
AC8	AGND_ADC	-	Ground terminal
AC9	LBADC_3.3V	-	Power supply terminal (+3.3V)
AC10	LBADC_IN4	-	Not used
AC11	LBADC_GND	-	Ground terminal
AC12	AVSIN_DATA	-	Not used
AC13	EXTOSD_HS	-	Not used
AC14	I/O_3.3V	-	Power supply terminal (+3.3V)
AC15	OCMADDR18	O	Address signal output to the flash memory
AC16	I/O_3.3V	-	Power supply terminal (+3.3V)
AC17	OCMADDR11	O	Address signal output to the flash memory
AC18	I/O_3.3V	-	Power supply terminal (+3.3V)
AC19	OCMADDR4	O	Address signal output to the flash memory
AC20	I/O_3.3V	-	Power supply terminal (+3.3V)
AC21	OCMDATA13	I/O	Two-way data bus with the flash memory
AC22	I/O_3.3V	-	Power supply terminal (+3.3V)
AC23	OCMDATA6	I/O	Two-way data bus with the flash memory
AC24	CM_CS2IN	O	Chip select signal output terminal Not used
AC25	OCN_RE_N	O	Write enable signal output to the flash memory
AC26	OCN_WE_N	O	Write enable signal output to the flash memory
AD1	AN	-	Not used
AD2	AGND_ADC	-	Ground terminal
AD3 to AD5	ADC1_3.3V	-	Power supply terminal (+3.3V)
AD6, AD7	ADC2_3.3V	-	Power supply terminal (+3.3V)
AD8	AGND_ADC	-	Ground terminal
AD9	RESET	I	System reset signal input from the HDMI controller "L": reset
AD10	LBADC_IN3	-	Not used
AD11	LBADC_RETURN	-	Not used
AD12	AVSIN_WORDSEL	-	Not used
AD13	EXTOSD_VS	-	Not used
AD14	AVSOUT_DATA	-	Not used
AD15	OCMADDR19	O	Address signal output to the flash memory
AD16	OCMADDR15	O	Address signal output to the flash memory
AD17	OCMADDR12	O	Address signal output to the flash memory
AD18	OCMADDR9	O	Address signal output to the flash memory
AD19	OCMADDR5	O	Address signal output to the flash memory
AD20	OCMADDR1	O	Address signal output to the flash memory
AD21	OCMDATA14	I/O	Two-way data bus with the flash memory
AD22	OCMDATA10	I/O	Two-way data bus with the flash memory
AD23	OCMDATA7	I/O	Two-way data bus with the flash memory
AD24	ROM_CS_N	O	Chip enable signal output to the flash memory
AD25	OCM_CS0N	O	Chip select signal output to the flash memory

Pin No.	Pin Name	I/O	Description
AD26	OCM_CS1N	O	Chip select signal output to the flash memory
AE1	SV2P	-	Not used
AE2	B2P	I	Video signal input (up convert C) terminal
AE3	AGND_ADC	-	Ground terminal
AE4	SV3P	-	Not used
AE5	B3P	I	Video signal input (CVBS) terminal
AE6	AGND_ADC	-	Ground terminal
AE7	SV4P	-	Not used
AE8	BN2	-	Not used
AE9	AGND_ADC	-	Ground terminal
AE10	LBADC_IN2	-	Not used
AE11	LBADC_IN6	-	Not used
AE12	AIP_RAW_VS	-	Not used
AE13	AVSOUT_SCL	-	Not used
AE14	AVSOUT_ WORDSEL	-	Not used
AE15	OCMADDR20	O	Address signal output to the flash memory
AE16	OCMADDR16	O	Address signal output to the flash memory
AE17	OCMADDR13	O	Address signal output to the flash memory
AE18	OCMADDR10	O	Address signal output to the flash memory
AE19	OCMADDR6	O	Address signal output to the flash memory
AE20	OCMADDR2	O	Address signal output to the flash memory
AE21	OCMDATA15	I/O	Two-way data bus with the flash memory
AE22	OCMDATA11	I/O	Two-way data bus with the flash memory
AE23	OCMDATA8	I/O	Two-way data bus with the flash memory
AE24 to AE26	OCMDATA2 to OCMDATA0	-	Not used
AF1	A2P	I	Video signal input (up convert Y) terminal
AF2	C2P	-	Not used
AF3	BN	-	Not used
AF4	A3P	I	Video signal input (CVBS) terminal
AF5	C3P	I	Video signal input (CVBS) terminal
AF6	CN	-	Not used
AF7	AN2	-	Not used
AF8	CN2	-	Not used
AF9	SVN	-	Not used
AF10	LBADC_IN1	-	Not used
AF11	LBADC_IN5	-	Not used
AF12	AIP_RAW_HS_C S	-	Not used
AF13	EXTOSD_CLK	-	Not used
AF14	AVSIN_SCL	-	Not used
AF15	OCMADDR21	O	Address signal output to the flash memory
AF16	OCMADDR17	O	Address signal output to the flash memory
AF17	OCMADDR14	O	Address signal output to the flash memory
AF18	OCMADDR11	O	Address signal output to the flash memory
AF19	OCMADDR7	O	Address signal output to the flash memory
AF20	OCMADDR3	O	Address signal output to the flash memory

Pin No.	Pin Name	I/O	Description
AF21	OCMADDR0	O	Address signal output to the flash memory
AF22	OCMDATA12	I/O	Two-way data bus with the flash memory
AF23	OCMDATA9	I/O	Two-way data bus with the flash memory
AF24 to AF26	OCMDATA5 to OCMDATA3	-	Not used

HDMI BOARD IC3604 YGV629-VZ (OSD CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	PLLVDD	-	Power supply terminal (+3.3V)
2	FILTER	I	Filter connection terminal for internal PLL
3	PLLVSS	-	Ground terminal
4	NC	-	Not used
5 to 10	PLLCTL5 to PLLCTL0	I	PLL setting terminal
11	DTCKS_IN	I	Clock signal inpu terminal Not used
12	DTCK_IN	I	Clock signal inpu terminal Not used
13	VSS	-	Ground terminal
14	VDD	-	Power supply terminal (+3.3V)
15 to 22	D0 to D7	I/O	Two-way data bus with the HDMI controller
23	WAIT_N	I	Wait signal input from the HDMI controller
24	READY_N	-	Not used
25	INT_N	O	Internal status output to the HDMI controller
26	VDD	-	Power supply terminal (+3.3V)
27	VSS	-	Ground terminal
28	CS_N	I	Chip select signal input from the HDMI controller
29	WR_N	I	Write enable signal input from the HDMI controller
30	RD_N	I	Read enable signal input from the HDMI controller
31 to 33	PS0 to PS2	I	Address signal input from the HDMI controller
34	SDOUT	O	Serial data output terminal Not used
35	SDIN	I	Serial data input terminal Not used
36	SCS_N	I	Chip select signal input terminal Not used
37	SCLK	I	Serial data transfer clock signal input terminal Not used
38	SER_N	I	CPU interface select setting terminal Fixed at "H" in this set
39	RESET_N	I	System reset signal input from the HDMI controller "L": reset
40	VSS	-	Ground terminal
41	VDD	-	Power supply terminal (+3.3V)
42	MA0	O	Address signal output terminal Not used
43 to 47	MA1 to MA5	O	Address signal output to the flash memory
48	VSS	-	Ground terminal
49 to 54	MA6 to MA11	O	Address signal output to the flash memory
55	VDD	-	Power supply terminal (+3.3V)
56	VSS	-	Ground terminal
57 to 62	MA12 to MA17	O	Address signal output to the flash memory
63	VSS	-	Ground terminal
64 to 70	MA18 to MA24	O	Address signal output to the flash memory
71	VDD	-	Power supply terminal (+3.3V)
72	VSS	-	Ground terminal
73	MWE_N	O	Write enable signal output to the flash memory
74	MOE_N	O	Output enable signal output to the flash memory
75 to 80	MD15, MD7, MD14, MD6, MD13, MD5	I/O	Two-way data bus with the flash memory
81	VSS	-	Ground terminal
82	VDD	-	Power supply terminal (+3.3V)

Pin No.	Pin Name	I/O	Description
83 to 90	MD12, MD4, MD11, MD3, MD10, MD2, MD9, MD1	I/O	Two-way data bus with the flash memory
91	VSS	-	Ground terminal
92	VDD	-	Power supply terminal (+3.3V)
93, 94	MD8, MD0	I/O	Two-way data bus with the flash memory
95	RAHZ_N	-	Not used
96 to 98	XTEST2 to XTEST0	-	Not used
99	VSIN_N	I	Vertical synchronize signal input terminal Not used
100	HSIN_N	I	Horizontal synchronize signal input terminal Not used
101	NC	-	Not used
102	AVDD	-	Power supply terminal (+3.3V)
103	R	O	Analog video signal (R) output terminal Not used
104	G	O	Analog video signal (G) output terminal Not used
105	B	O	Analog video signal (B) output terminal Not used
106	IREF	-	Not used
107	AVSS	-	Ground terminal
108	NC	-	Not used
109	VDD	-	Power supply terminal (+3.3V)
110	VSS	-	Ground terminal
111 to 116	DR0 to DR5	O	Digital video signal (R) output to the video processor
117	VSS	-	Ground terminal
118	VDD	-	Power supply terminal (+3.3V)
119 to 124	DG0 to DG5	O	Digital video signal (G) output to the video processor
125	VSS	-	Ground terminal
126	VDD	-	Power supply terminal (+3.3V)
127to 132	DB0 to DB5	O	Digital video signal (B) output to the video processor
133	VSS	-	Ground terminal
134	FSC	-	Not used
135	YS_N	-	Not used
136	VSYNC_N	O	Vertical synchronize signal output to the video processor
137	HSYNC_N	O	Horizontal synchronize signal output to the video processor
138	BLANK_N	O	Blanking period signal output to the video processor
139	DOTCLK	O	Dot clock signal output to the video processor
140	VDD	-	Power supply terminal (+3.3V)
141	XIN	I	System clock input terminal (33.2 MHz)
142	XTOUT	O	System clock output terminal (33.2 MHz)
143	VSS	-	Ground terminal
144	NC	-	Not used

HDMI BOARD IC3610 MB91F353APMT-A3GUI-X100 (HDMI CONTROLLER)

Pin No.	Pin Name	I/O	Description
1 to 8	SRAM_IO0 to SRAM_IO8	I/O	Two-way data bus with the SD-RAM
9 to 16	SRAM_IO9/YAMAHA_D0 to SRAM_IO16/YAMADA_D8	I/O	Two-way data bus with the SD-RAM and OSD controller
17	YAMAHA_PS0	O	Address signal output to the OSD controller
18	VSS	-	Ground terminal
19	VCC	-	Power supply terminal (+3.3V)
20, 21	SRAM_A1/YAMAHA_PS1, SRAM_A2/YAMAHA_PS2	O	Address signal output to the SD-RAM and OSD controller
22 to 36	SRAM_A3 to SRAM_A16, SRAM_A0	O	Address signal output to the SD-RAM
37 to 39	NO USE	-	Not used
40	VSS	-	Ground terminal
41	UC3V SCL	O	Serial data transfer clock signal output to the HDMI section
42	UC3V SDA	I/O	Two-way data bus with the HDMI section
43	VSS	-	Ground terminal
44	VCC	-	Power supply terminal (+3.3V)
45	YAMAHA_WAIT_N	O	Wait signal output to the OSD controller
46	NO USE	-	Not used
47	YAMAHA_READY_N	-	Not used
48	RDX	O	Read enable signal output to the buffer, AND gate, SD-RAM and OSD controller
49	WR0	O	Write enable signal output to the SD-RAM and OSD controller
50	WR1	O	Write enable signal output to the SD-RAM
51	NMIX	-	Not used
52 to 54	MD2 to MD0	I	Model setting terminal
55	RESET	I	System reset signal input from the main system controller "L": reset
56	VCC	-	Power supply terminal (+3.3V)
58	X0	I	System clock input terminal (12.5 MHz)
59	VSS	-	Ground terminal
60	X0A	-	Not used
61	X1A	-	Not used
62	DAC_CLK_SEL	O	Clock on/off signal output terminal for D/A converter
63	NO USE	-	Not used
64	EN3_EEPROM_UCOM	O	Write enable signal output to the EEPROM
65	TMOS_OE	O	Output enable signal output to the HDMI input select
66	SRAM_CE	O	Chip enable signal output to the SD-RAM
67	YAMAHA_CE	O	Chip enable signal output to the OSD controller
68	OSD_FLASH_CE	-	Not used
69	NO USE	-	Not used

Pin No.	Pin Name	I/O	Description
70	YAMAHA_ RESET	O	System reset signal output to the OSD controller "L": reset
71	RX_RST	O	System reset signal output to the HDMI receiver "L": reset
72	RX_HPG_DTCT0 0	O	Hot plug connection detect signal output to the HDMI input select
73	TX_RST	O	System reset signal output to the HDMI transceiver "L": reset
74	TX_HPG	O	Power on/off control signal output to the HDMI jack section
75	VDAC_RESET	O	System reset signal output to the D/A converter "L": reset
76	VSS	-	Ground terminal
77	VCC	-	Power supply terminal (+3.3V)
78 to 80	NO USE	-	Not used
81	YAMAHA _INT_N	I	Interrupt status input from the OSD controller
82	RX_INT_IN	I	Interrupt status input from the HDMI receiver
83	TX_INT_IN	I	Interrupt status input from the HDMI transceiver
84	NO USE	-	Not used
85	STOP IN	I	AC off detection signal input terminal
86 to 88	HDMI_SEL0 to HDMI_SEL2	I	Source selection signal output to the HDMI input select
89, 90	NO USE	-	Not used
91	AUDIO_MUTE_ REQ	O	Audio muting signal output terminal
92	MAIN_UCOM_U ART_RX	I	Serial data input from the system controller
93	MAIN_UCOM_U ART_TX	O	Serial data output to the system controller
94	MAIN_UCOM_U ART_BUSY	I	System reset signal input from the system controller
95	VCC	-	Power supply terminal (+3.3V)
96	VSS	-	Ground terminal
97	FLI_POW_DET	I	Power on/off detection signal input from the video processor
98	FLI8668_UCOM_ RESET	O	System reset signal output to the video processor and flash memory "L": reset
99	FLI8668_UCOM_ UART_RX	I	UART communication transfer data input from the video processor
100	FLI8668_UCOM_ UART_TX	O	UART communication transfer data output to the video processor
101	FLI8668_UCOM_ BUSY	O	Busy signal output to the video processor
102	FLASH_UPDAT E_RX	I	Serial data input terminal
103	FLASH_UPDAT E_TX	O	Serial data output terminal
104	CNVSS	-	Not used
105, 106	HDMI_5VPOW_ SEL1, HDMI_5VPOW_ SEL2	O	HDMI IN1/IN2/IN3 jack detection signal select signal output terminal
107	DAVS	-	Ground terminal
108	DAVC	-	Power supply terminal (+3.3V)

Pin No.	Pin Name	I/O	Description
109	AVCC	-	Power supply terminal (+3.3V)
110	AVRH	I	Reference voltage input terminal (+3.3V)
111	AVSS/AVRL	-	Ground terminal
112	VSS	-	Ground terminal
113 to 120	AN0 to AN7	-	Not used

HDMI BOARD IC3901 F2602E-01-TR (XM RECEIVER) (US and Canadian models)

Pin No.	Pin Name	I/O	Description
1	LSOPTXRX	-	Not used
2	VSS	-	Ground terminal
3	SCTXOUT	O	Serial data output to the system controller
4	VDD	-	Power supply terminal (+3.3V)
5	SCRXIN	I	Serial data input from the system controller
6	VSS	-	Ground terminal
7	COMMSEL	I	Command mode select signal input from the system controller
8	VDD	-	Power supply terminal (+3.3V)
9	$\overline{\text{IRQ}}$	O	Interrupt request signal output to the system controller
10	VSS	-	Ground terminal
11	$\overline{\text{RESET}}$	I	Reset signal input from the system controller
12	SLAVESL	I	Master/slave mode setting terminal "L": Master mode, "H": Slave mode Fixed at "L" in this set
13	COMRXDIG	-	Not used
14	COMTXDIG	-	Not used
15	COMTXEN	-	Not used
16	VSS	-	Ground terminal
17	VDD	-	Power supply terminal (+3.3V)
18	COMRXP	I	XM receiver differential signal (positive) input terminal
19	COMRXM	I	XM receiver differential signal (negative) input terminal
20	VDD	-	Power supply terminal (+3.3V)
21	VSS	-	Ground terminal
22	COMTXM	O	XM transmitter differential signal (negative) output terminal
23	COMTXP	O	XM transmitter differential signal (positive) output terminal
24, 25	VSS	-	Ground terminal
26	OSCOUT	O	System clock output terminal (45.158 MHz)
27	VDD	-	Power supply terminal (+3.3V)
28	OSCIN	I	System clock input terminal (45.158 MHz)
29	VSS	-	Ground terminal
30	TEST	-	Not used
31	VSS	-	Ground terminal
32	HSDPDATA	-	Not used
33	VDD	-	Power supply terminal (+3.3V)
34	HSDPCLK	-	Not used
35	VSS	-	Ground terminal
36	HSDPEN	-	Not used
37	I2SDATA	O	I2S digital audio data output terminal
38	VSS	-	Ground terminal
39	I2SSCLK	O	I2S bit clock signal output terminal
40	VDD	-	Power supply terminal (+3.3V)
41	I2SLRCLK	O	I2S L/R sampling clock signal output terminal
42	VSS	-	Ground terminal
43	I2SOCLK	O	I2S over sample clock signal output terminal
44	VSS	-	Ground terminal
45	SAIICLK	-	Not used
46	VDD	-	Power supply terminal (+3.3V)
47	SAIIDATA	-	Not used
48	SAIIEN	-	Not used

DSP BOARD IC2 ADSP21266SKSTZ-2C (DSP)

Pin No.	Pin Name	I/O	Description
1	VDDINT	-	Power supply terminal (+1.2V)
2, 3	CLKCFG0, CLKCFG1	I	Clock frequency setting terminal
4, 5	BOOTCFG0, BOOTCFG1	I	Boot mode setting terminal for DSP
6	GND	-	Ground terminal
7	VDDEXT	-	Power supply terminal (+3.3V)
8	GND	-	Ground terminal
9	VDDINT	-	Power supply terminal (+1.2V)
10	GND	-	Ground terminal
11	VDDINT	-	Power supply terminal (+1.2V)
12	GND	-	Ground terminal
13	VDDINT	-	Power supply terminal (+1.2V)
14	GND	-	Ground terminal
15	INT_REQ	O	Interrupt status output to the main system controller
16	DIR_ERR	O	PLL lock error signal and data error flag output to the main system controller
17	AD7	I/O	Two-way data bus and address signal output with S-RAM
18	GND	-	Ground terminal
19	VDDINT	-	Power supply terminal (+1.2V)
20	GND	-	Ground terminal
21	VDDEXT	-	Power supply terminal (+3.3V)
22	GND	-	Ground terminal
23	VDDINT	-	Power supply terminal (+1.2V)
24 to 26	AD6 to AD4	I/O	Two-way data bus and address signal output with S-RAM
27	VDDINT	-	Power supply terminal (+1.2V)
28	GND	-	Ground terminal
29, 30	AD3, AD2	I/O	Two-way data bus and address signal output with S-RAM
31	VDDEXT	-	Power supply terminal (+3.3V)
32	GND	-	Ground terminal
33, 34	AD1, AD0	I/O	Two-way data bus and address signal output with S-RAM
35	XWR	O	Data write enable signal output to the S-RAM "L" active
36, 37	VDDINT	-	Power supply terminal (+1.2V)
38	GND	-	Ground terminal
39	XRD	O	Read strobe signal output to the S-RAM "L" active
40	ALE	O	Address latch enable signal output terminal
41 to 43	AD15 to AD13	I/O	Two-way data bus and address signal output with S-RAM
44	GND	-	Ground terminal
45	VDDEXT	-	Power supply terminal (+3.3V)
46	AD12	I/O	Two-way data bus and address signal output with S-RAM
47	VDDINT	-	Power supply terminal (+1.2V)
48	GND	-	Ground terminal
49 to 52	AD11 to AD8	I/O	Two-way data bus and address signal output with S-RAM
53	A16	O	Address signal output to S-RAM
54	VDDINT	-	Power supply terminal (+1.2V)
55	GND	-	Ground terminal
56, 57	A17, A18	O	Address signal output to S-RAM

Pin No.	Pin Name	I/O	Description
58	GND	-	Ground terminal
59	VDDEXT	-	Power supply terminal (+3.3V)
60	VDDINT	-	Power supply terminal (+1.2V)
61	GND	-	Ground terminal
62	PF_CE	I/O	Chip enable signal input/output terminal Not used
63	SPI_MAS	O	Master/slave selection signal output terminal "L": DSP is master
64	DPSOA	O	PCM audio signal (front L/R) output terminal
65	DPSOB	O	PCM audio signal (surround L/R) output terminal
66	VDDINT	-	Power supply terminal (+1.2V)
67	GND	-	Ground terminal
68	VDDINT	-	Power supply terminal (+1.2V)
69	GND	-	Ground terminal
70	DPSOC	O	PCM audio signal (center, sub woofer) output terminal
71	DPSOD	O	PCM audio signal (surround back L/R) output terminal
72	VDDINT	-	Power supply terminal (+1.2V)
73	VDDEXT	-	Power supply terminal (+3.3V)
74	GND	-	Ground terminal
75	VDDINT	-	Power supply terminal (+1.2V)
76	GND	-	Ground terminal
77	DPSOE	O	PCM audio signal output terminal Not used
78	DPSIA	I	PCM audio signal (digital input) input terminal
79	DPSIB	I	PCM audio signal (front L/R) input terminal
80	DPSIC	I	PCM audio signal (surround L/R) input terminal
81	DPSID	I	PCM audio signal (center, sub woofer) input terminal
82	DPSIE	I	PCM audio signal (surround back L/R) input terminal
83	VDDINT	-	Power supply terminal (+1.2V)
84, 85	GND	-	Ground terminal
86	DPDVLRCK	O	L/R sampling clock signal (44.1 kHz) output terminal for PCM audio output
87	DPDVBCK	O	Bit clock signal (2.8224 MHz) output terminal for PCM audio output
88	DPLRCK	I	L/R sampling clock signal (44.1 kHz) input terminal for PCM audio input
89	DPBCK	I	Bit clock signal (2.8224 MHz) input terminal for PCM audio input
90	VDDINT	-	Power supply terminal (+1.2V)
91, 92	GND	-	Ground terminal
93	VDDEXT	-	Power supply terminal (+3.3V)
94	DPFSCK	I	Master clock signal input terminal
95	GND	-	Ground terminal
96	VDDINT	-	Power supply terminal (+1.2V)
97	XNONAUDIO	I	Digital input signal switch control signal input terminal
98	XSF_CE	O	Chip enable signal output to the flash memory
99	VDDINT	-	Power supply terminal (+1.2V)
100	GND	-	Ground terminal
101	VDDINT	-	Power supply terminal (+1.2V)
102	GND	-	Ground terminal
103	VDDINT	-	Power supply terminal (+1.2V)
104	GND	-	Ground terminal
105	VDDINT	-	Power supply terminal (+1.2V)
106	GND	-	Ground terminal

Pin No.	Pin Name	I/O	Description
107, 108	VDDINT	-	Power supply terminal (+1.2V)
109	GND	-	Ground terminal
110	VDDINT	-	Power supply terminal (+1.2V)
111	GND	-	Ground terminal
112	VDDINT	-	Power supply terminal (+1.2V)
113	GND	-	Ground terminal
114	VDDINT	-	Power supply terminal (+1.2V)
115	GND	-	Ground terminal
116	VDDEXT	-	Power supply terminal (+3.3V)
117	GND	-	Ground terminal
118	VDDINT	-	Power supply terminal (+1.2V)
119	GND	-	Ground terminal
120	VDDINT	-	Power supply terminal (+1.2V)
121	XRESET	I	System reset signal input to the main system controller
122	XSPIDS	I	Serial data latch pulse signal input to the main system controller
123	GND	-	Ground terminal
124	VDDINT	-	Power supply terminal (+1.2V)
125	SPICLK	I/O	Serial data transfer clock signal input/output with the flash memory
126	MISO	I/O	When DSP is master: Serial data input from the flash memory When DSP is slave: Serial data output to the main system controller
127	MOSI	I/O	When DSP is master: Serial data output to the flash memory When DSP is slave: Serial data input from the main system controller
128	GND	-	Ground terminal
129	VDDINT	-	Power supply terminal (+1.2V)
130	VDDEXT	-	Power supply terminal (+3.3V)
131	AVDD	-	Power supply terminal (+3.3V)
132	AVSS	-	Ground terminal
133	GND	-	Ground terminal
134	CLKOUT	-	Not used
135	XEMU	-	Not used
136	TDO	-	Not used
137	TDI	-	Not used
138	CTRST	-	Not used
139	TCK	-	Not used
140	TMS	-	Not used
141	GND	-	Ground terminal
142	CLKIN	I	System clock input terminal (25 MHz)
143	XTAL	O	System clock output terminal (25 MHz)
144	VDDEXT	-	Power supply terminal (+3.3V)

USB BOARD IC002 TC94A70FG-004 (DSP)

Pin No.	Pin Name	I/O	Description
1	AVSS3	-	Ground terminal
2	RFZI (OPEN)	I	RF ripple zero crossing signal input terminal Not used
3	RFRP (OPEN)	O	RF ripple signal output terminal Not used
4	SBAD (OPEN)	O	Subbeam addition signal output/RF peak detecting phase signal output for hologram selection terminal Not used
5	FEi	I	Focus error signal input terminal Not used
6	TEi	I	Tracking error signal input terminal Not used
7	TEZi	I	Tracking error signal zero crossing input terminal Not used
8	AVDD3	-	Power supply terminal (+3.3 V)
9	FOo	O	Focus servo equalizer signal output terminal Not used
10	TRo	O	Tracking servo equalizer signal output terminal Not used
11	VREF	I	Reference voltage (+1.65V) input terminal Not used
12	FMo	O	Feeding servo equalizer signal output terminal Not used
13	DMo	O	Disc servo equalizer signal output terminal Not used
14	VSSP3	-	Ground terminal
15	VCOi	I	DSP VCO control voltage input terminal
16	VDDP3	-	Power supply terminal (+3.3 V)
17	VDD1	-	Power supply terminal (+1.5 V)
18	VSS	-	Ground terminal
19	FGiN	I	FG signal input terminal for CAV Not used
20, 21	io0, io1	-	Not used
22	XVSS3	-	Ground terminal
23	Xi	I	System clock input terminal (16.9344 MHz)
24	Xo	O	System clock output terminal (16.9344 MHz)
25	XVDD3	-	Power supply terminal (+3.3 V)
26	DVSS3	-	Ground terminal
27	Ro	O	R channel audio data (positive) output terminal
28	DVDD3	-	Power supply terminal (+3.3 V)
29	DVR	I	Reference voltage (+1.65V) input terminal
30	Lo	O	L channel audio data (positive) output terminal
31	DVSS3	-	Ground terminal
32	VDDT3	-	Power supply terminal (+3.3 V)
33	VSS	-	Ground terminal
34	VDD1	-	Power supply terminal (+1.5 V)
35	VDDM1	-	Power supply terminal (+1.5 V)
36	SRAMSTB	I	S-RAM standby mode control signal input terminal Not used
37	/RST	I	Reset signal input from the USB controller
38 to 41	BUS0 to BUS3	I	Bus data input from the USB controller
42	BUCK	I	Bus clock signal input from the USB controller
43	/CCE	I	Chip enable signal input from the USB controller
44	TEST (GND)	I	Setting terminal for test mode Normally fixed at "L"
45	IRQ	I	Interrupt request signal input terminal Not used
46	AoUT3 (Po4) ST_REQ	O	Request signal output to the USB controller
47	AoUT2	O	Audio data output terminal Not used
48	Pio0 (REQ)	I	Request signal input from the USB controller
49, 50	Pio1, Pio2	-	Not used

Pin No.	Pin Name	I/O	Description
51	Pio3 (GATE)	I	Muting on/off control signal input from the USB controller "L": mute
52	VSS	-	Ground terminal
53	VDDT3	-	Power supply terminal (+3.3 V)
54	SBSY (OPEN)	-	Not used
55	SBOK (OPEN)	-	Not used
56	IPF (OPEN)	-	Not used
57	SFSY (OPEN)	-	Not used
58	ZDET (OPEN)	O	Zero detection signal output terminal Not used
59	GPIN	-	Not used
60	MS	I	Microcomputer I/F mode selection signal input terminal "H": parallel 6-line type, "L": serial 3-line type
61	DoUT (Po6)	O	Digital audio data output terminal
62	AoUT (Po7)	O	Audio data output terminal Not used
63	BCK (Po8)	O	Bit clock signal (2.8224 MHz) output terminal for audio data output Not used
64	LRCK (Po9)	O	L/R sampling clock signal (44.1 kHz) output terminal for audio data output Not used
65	AiN (Pi4)	I	Digital audio data input terminal
66	BCKi (Pi5)	I	Bit clock signal (2.8224 MHz) input from the USB controller
67	LRCKi (Pi6)	I	L/R sampling clock signal (44.1 kHz) input from the USB controller
68	VDD1	-	Power supply terminal (+1.5 V)
69	VSS	-	Ground terminal
70	AWRC (OPEN)	-	Not used
71	PVDD3	-	Power supply terminal (+3.3 V)
72	PDo (OPEN)	O	Phase error margin signal between EFM signal and PLCK signal output terminal Not used
73	TMAXS (OPEN)	O	TMAX detection result output terminal Not used
74	TMAX	O	TMAX detection result output terminal Not used
75	LPFN (OPEN)	I	Inverted signal input terminal Not used
76	LPFo (OPEN)	O	Signal output terminal Not used
77	PVREF (OPEN)	I	Reference voltage (+1.65V) input terminal Not used
78	VCoF (OPEN)	O	Terminal for VCO filter Not used
79	PVSS3	-	Ground terminal
80	SLCo (OPEN)	O	EFM slice level output terminal Not used
81	RFi (OPEN)	I	RF signal input terminal Not used
82	RFRPi (OPEN)	I	RF ripple signal input terminal Not used
83	RFEQo (OPEN)	O	EFM slice level output terminal Not used
84	VRo (OPEN)	O	Reference voltage (+1.65V) output terminal Not used
85	RESiN (OPEN)	O	Resistance connection terminal for standard voltage generation Not used
86	VMDiR (OPEN)	O	Reference voltage (+1.65V) output terminal for APC circuit Not used
87	TESTR (OPEN)	O	Low-pass filter terminal for RFEQO offset correction Not used
88	AGCi(OPEN)	I	RF signal amplitude adjustment amplification input terminal Not used
89	RFo (OPEN)	O	RF signal generation amplification output terminal Not used
90	RVDD3	-	Power supply terminal (+3.3 V)
91	LDo (OPEN)	O	Laser diode amplification output terminal Not used
92	MDi (OPEN)	I	Monitor photo diode amplification input terminal Not used
93	RVSS3	-	Ground terminal
94	FNi2 (OPEN)	I	Main beam input terminal (Connect with pin diode C) Not used
95	FNi1 (OPEN)	I	Main beam input terminal (Connect with pin diode A) Not used
96	FPi2 (OPEN)	I	Main beam input terminal (Connect with pin diode D) Not used
97	FPi1 (OPEN)	I	Main beam input terminal (Connect with pin diode B) Not used

Pin No.	Pin Name	I/O	Description
98	TPi (OPEN)	I	Sub beam amplification input terminal (Connect with pin diode F) Not used
99	TNPC (OPEN)	-	Not used
100	TNi (OPEN)	I	Sub beam amplification input terminal (Connect with pin diode E) Not used

USB BOARD IC003 TDUHC124B (USB INTERFACE)

Pin No.	Pin Name	I/O	Description
1	VDD	-	Power supply terminal (+3.3 V)
2 to 13	A0 to A11	I	Address signal input from the USB controller
14	MODE	-	Not used
15	/CS	I	Chip select signal input from the USB controller
16	VSS	-	Ground terminal
17	OSC1	I	System clock input terminal (6 MHz)
18	OSC2	O	System clock output terminal (6 MHz)
19	LPF	O	PLL loop filter setting terminal
20	VDD	-	Power supply terminal (+3.3 V)
21 to 24	TEST0 to TEST3	-	Not used
25	/OC1	I	Over current detection signal input terminal
26 to 28	/OC2 to /OC4	I	Over current detection signal input terminal Not used
29	/PO1	O	USB charge on/off control signal output terminal
30 to 32	/PO2 to /PO4	O	Power on/off control signal output terminal Not used
33	VDD	-	Power supply terminal (+3.3 V)
34	DP1	I/O	Two-way data bus of USB data (+)
35	DM1	I/O	Two-way data bus of USB data (-)
36	VSS	-	Ground terminal
37	DP2	I/O	Two-way data bus terminal Not used
38	DM2	I/O	Two-way data bus terminal Not used
39	DP3	I/O	Two-way data bus terminal Not used
40	DM3	I/O	Two-way data bus terminal Not used
41	DP4	I/O	Two-way data bus terminal Not used
42	DM4	I/O	Two-way data bus terminal Not used
43	TEST4	-	Not used
44 to 47	D0 to D3	I/O	Two-way data bus with the USB interface and FCRAM
48	VDD	-	Power supply terminal (+3.3 V)
49	VSS	-	Ground terminal
50 to 53	D0 to D3	I/O	Two-way data bus with the USB interface and FCRAM
54	/RESET	I	Reset signal input from the USB controller
55	/WR	I	Write strobe signal input from the USB controller
56	/RD	I	Read strobe signal input from the USB controller
57 to 60	TMS0 to TMS3	-	Not used
61	/INT	I	Interrupt request signal input from the USB controller
62	ADS	-	Not used
63	GDNP	-	Ground terminal
64	VSS	-	Ground terminal

USB BOARD IC006 TMP92FY23FG-06A3ES-USB-X100 (USB CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	AVSS/VREFL	-	Ground terminal
2	AVCC/VREFH	-	Power supply terminal (+3.3 V)
3	PN3 (USB_ERROR)	-	Not used
4	ST_REQ	I	Request signal input from the DSP
5	CONECT_DETC	I	USB connection detect signal input terminal
6	PN6 (USB_ERROR)	-	Not used
7	IPOD_TX	-	Not used
8	IPOD_RX	-	Not used
9	NC	-	Not used
10	TXD1	O	Serial data output terminal
11	RXD1	I	Serial data input terminal
12	PN4	O	Serial data output to the system controller
13 to 15	BUS0 to BUS2	O	Bus data output to the DSP
16	IIC-DATA	I/O	Two-way data bus with the EEPROM
17	IIC-CLK	O	Serial data transfer clock signal output to the EEPROM
18	BUS3	O	Bus data output to the DSP
19	PD0 (DI)	I	Serial data input from the system controller
20	DVSS	-	Ground terminal
21	UHC124_INT	O	Interrupt request signal output to the USB interface
22	DVCC	-	Power supply terminal (+3.3 V)
23 to 30	D0 to D7	I/O	Two-way data bus with the USB interface and FCRAM
31 to 38	D8 to D15	I/O	Two-way data bus with the FCRAM
39	DVSS	-	Ground terminal
40	NMI	I	Non-maskable interrupt input Fixed at "H" in this set
41	DVCC	-	Power supply terminal (+3.3 V)
42 to 60	A0 to A18	O	Address signal output to the FCRAM
61	USB ERROR	O	Error signal output to the system controller
62	BUCK	O	Bus clock signal output to the DSP
63	PF5 (CCE)	O	Chip enable signal output to the DSP
64	ZIPANG_RST	O	Reset signal output to the DSP
65	GATE	O	Muting on/off control signal output to the DSP "L": mute
66	BOOT	O	Boot mode control signal output terminal
67	USB_CS	O	Chip select signal output to the USB interface
68	SRAM_CS1	O	Chip select signal output to the FCRAM
69	SRAM_CS2	O	Chip select signal output terminal Not used
70	CLK_IN	I	Bit clock signal (2.8224 MHz) input terminal
71	DATA	O	Digital audio data output to the DSP
72	AM1	-	Not used
73	X2	O	System clock output terminal (10 MHz)
74	DVSS	-	Ground terminal
75	X1	I	System clock input terminal (10 MHz)
76	DVCC	-	Power supply terminal (+3.3 V)
77	USBSYS_RST	I	Reset signal output to the USB interface
78	AM0	-	Not used

Pin No.	Pin Name	I/O	Description
79	UHC124_RST	O	Reset signal output to the DSP
80	NC	-	Not used
81	DVCC	-	Power supply terminal (+3.3 V)
82	RD	O	Read strobe signal output to the USB interface and FCRAM
83	SRWR	O	Write strobe signal output to the USB interface and FCRAM
84	SRLLB	O	Upper byte column address strobe signal output to the FCRAM
85	SRLUB	O	Lower byte column address strobe signal output to the FCRAM
86	LRCK	O	L/R sampling block signal (44.1KHz) output to the DSP
87	BCK	O	Bit clock signal (2.8224 MHz) output to the DSP
88	DVSS	-	Ground terminal
89 to 91	PC3 to PC1	-	Not used
92	PC0 (REQ)	O	Request signal output to the DSP
93 to 100	PG7 to PG0	-	Not used

SECTION 7
EXPLODED VIEWS

NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories are given in the last of the electrical parts list.
- Refer to Servicing notes " color variation" (page 5) about color variation.
- Abbreviation
  CND : Canadian model

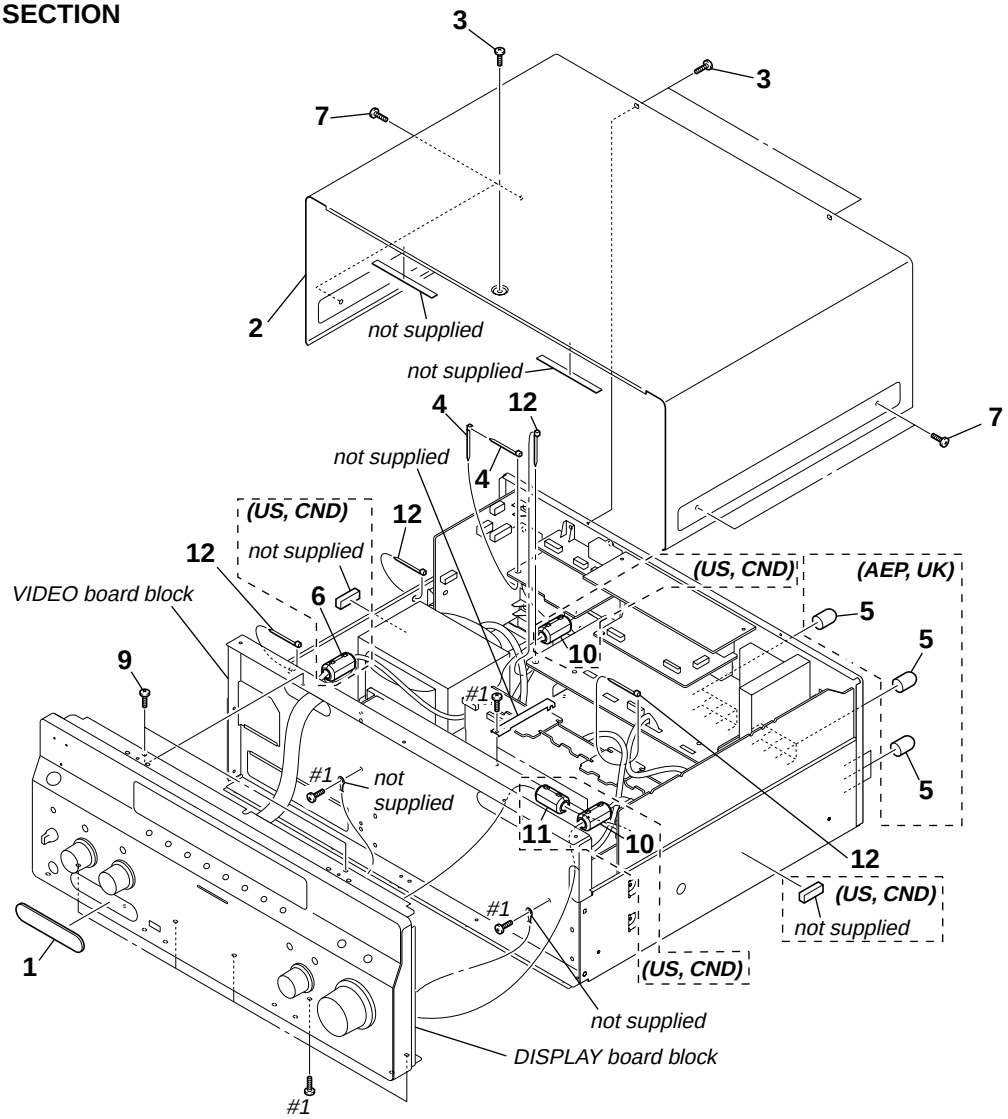
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by mark 🔒 contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

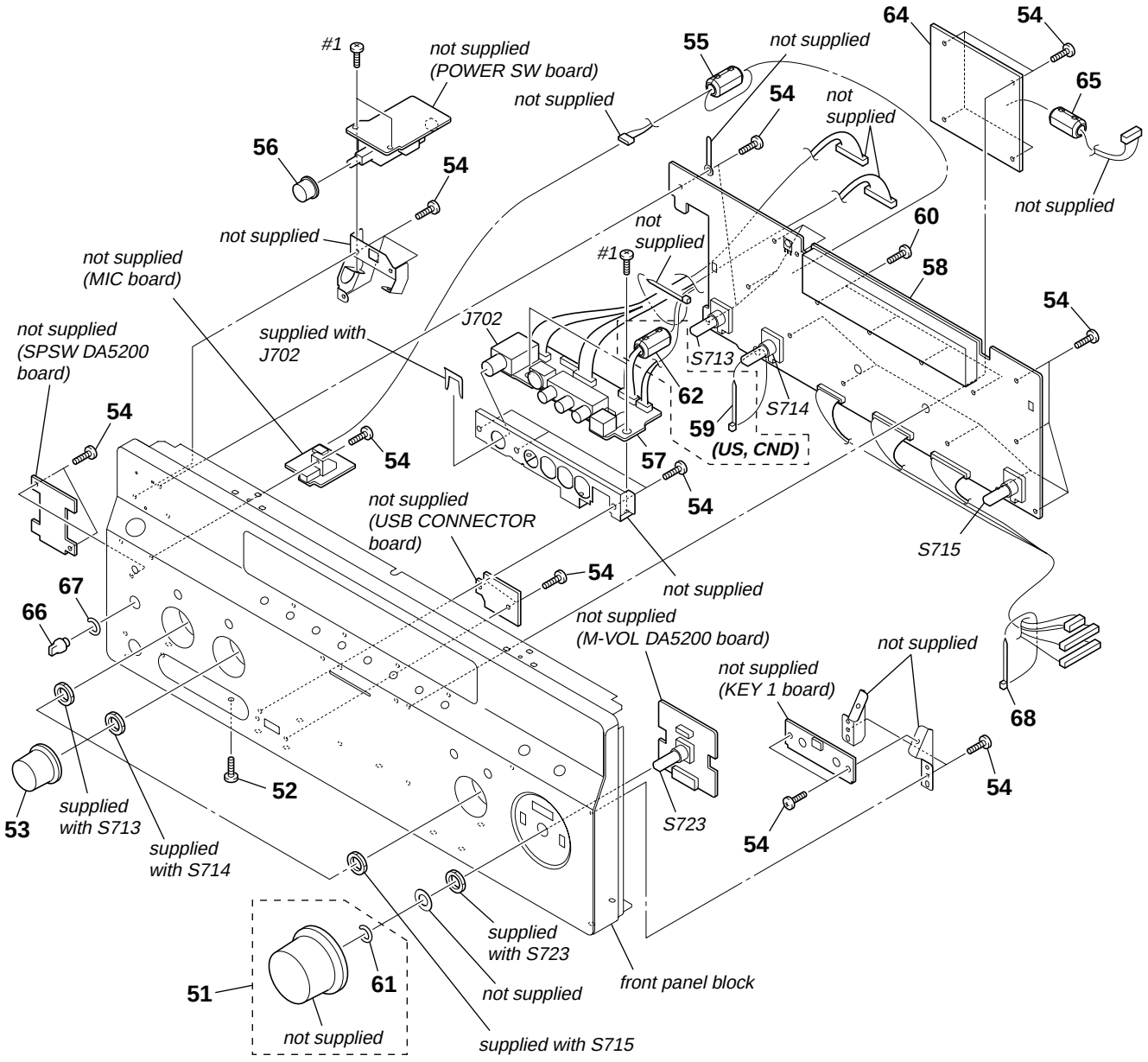
Les composants identifiés par la marque 🔒 contiennent des informations confidentielles.
Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

7-1. CASE SECTION



Ref. No.	Part No.	Description	Remark
1	2-698-310-01	LID (A2) (BLACK)	
1	2-698-310-11	LID (A2) (SILVER)	
2	2-668-102-11	CASE (BLACK)	
2	2-668-102-31	CASE (SILVER)	
3	4-227-843-03	SCREW (TP), FLAT HEAD (for BLACK)	
3	4-227-843-31	SCREW (TP), FLAT HEAD (for SILVER)	
4	3-655-653-11	BAND (TAITON), BINDING	
5	3-302-708-11	COVER, CONNECTOR (for pinjack of rear panel) (AEP, UK)	
6	1-400-061-11	CORE, FERRITE (CLAMP FILTER) (US, CND)	
7	2-580-630-01	SCREW, +BVST 4X8 (for BLACK)	
7	7-685-881-04	SCREW +BVTT 4X8 (S) (for SILVER)	
9	3-704-515-22	SCREW (BV/RING)	
10	1-469-969-11	CLAMP, FERRITE (US,CND)	
11	1-481-057-11	CORE, FERRITE (CLAMP FILTER) (US, CND)	
12	3-655-653-21	BAND (TAITON), BINDING	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

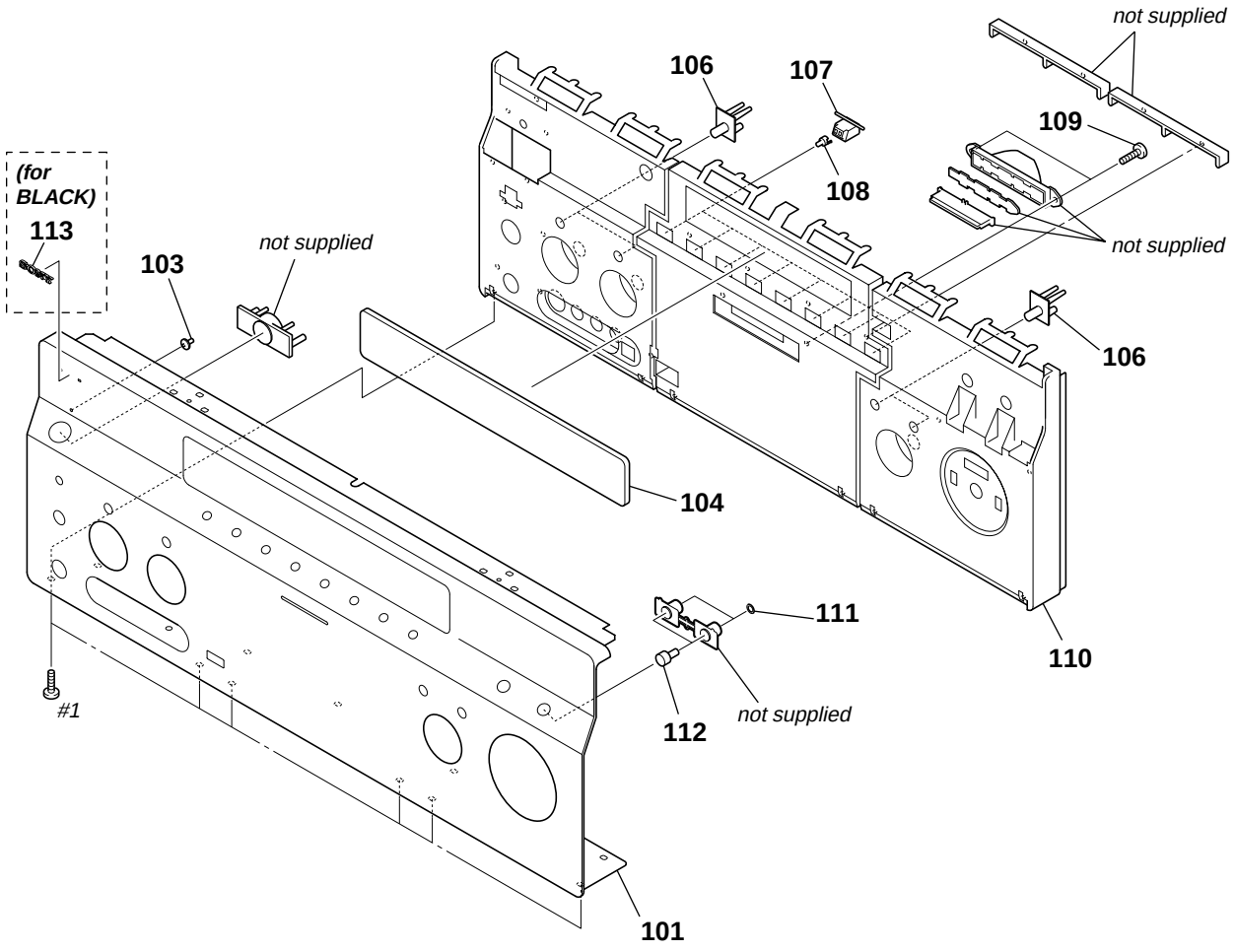
7-2. DISPLAY BOARD BLOCK



Ref. No.	Part No.	Description	Remark
51	X-4955-650-1	KNOB (VOL) ASSY (SILVER)	
51	X-4955-657-1	KNOB (VOL) ASSY (BLACK)	
52	3-704-515-22	SCREW (BV/RING)	
53	2-661-141-31	MENU KNOB (BLACK)	
53	2-661-141-41	MENU KNOB (SILVER)	
54	3-087-053-01	+BVTP2.6 (3CR)	
55	1-543-793-11	FILTER, CLAMP (FERRITE CORE)	
56	X-4955-616-1	BUTTON (POWER) ASSY (BLACK)	
56	X-4955-618-1	BUTTON (POWER) ASSY (SILVER)	
57	A-1219-989-A	VIDEO 3 BOARD, COMPLETE	
58	A-1194-647-A	DISPLAY BOARD, COMPLETE	
59	3-655-653-11	BAND (TAITON), BINDING	
60	3-087-053-11	+BVTP2.6 (3CR)	
61	3-350-426-01	SPRING	
62	1-469-241-11	CORE, FERRITE (RFC-8 BK) (US, CND)	

Ref. No.	Part No.	Description	Remark
64	A-1189-070-A	USB BOARD, COMPLETE	
65	1-469-969-11	CLAMP, FERRITE	
66	4-246-103-02	KNOB (SPEAKER) (SILVER)	
66	4-246-103-22	KNOB (SPEAKER) (BLACK)	
67	2-893-374-01	SPRING, RING	
68	3-655-653-21	BAND (TAITON), BINDING	
J702	1-815-313-11	JACK (PHONES)	
S713	1-418-400-11	ENCODER, ROTARY (TONE)	
S714	1-418-400-11	ENCODER, ROTARY (TUNING)	
S715	1-418-400-11	ENCODER, ROTARY (INPUT SELECTOR)	
S723	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

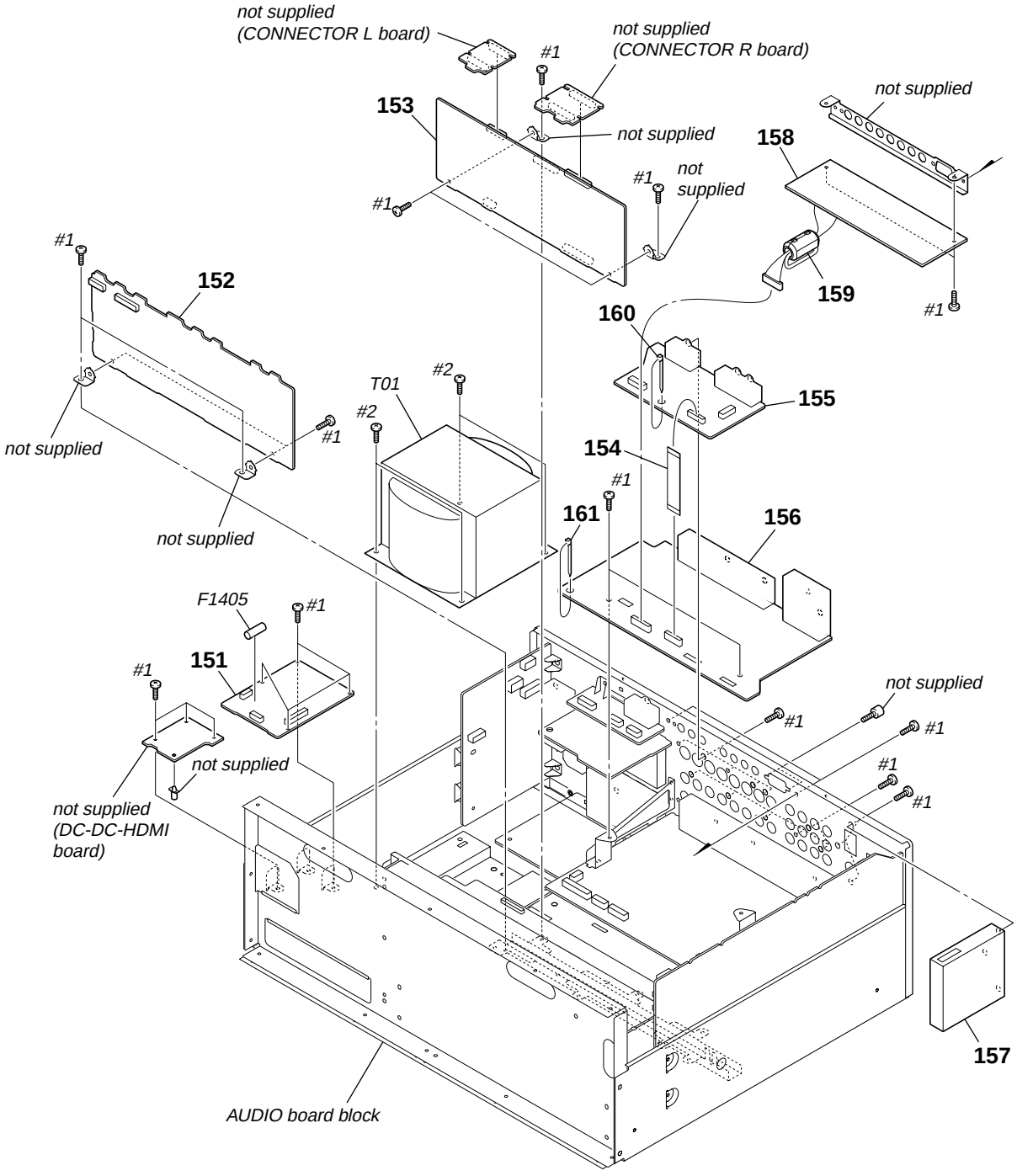
7-3. FRONT PANEL BLOCK



Ref. No.	Part No.	Description	Remark
101	2-668-107-71	PANEL (A2), FRONT (BLACK) (US, CND)	
101	2-668-107-81	PANEL (A2), FRONT (BLACK) (AEP, UK)	
101	2-668-107-91	PANEL (A2), FRONT (SILVER) (AEP, UK)	
103	X-4950-462-1	LENS ASSY, LED	
104	2-668-128-01	PLATE (A2), INDICATION (for BLACK)	
104	2-668-128-21	PLATE (A2), INDICATION (for SILVER)	
106	2-668-113-01	BUTTON (ZONE) (BLACK)	
106	2-668-113-11	BUTTON (ZONE) (SILVER)	
107	2-676-728-01	BUTTON (MUSIC-B)	
108	2-676-727-01	BUTTON (MUSIC-A)	

Ref. No.	Part No.	Description	Remark
109	3-087-053-01	+BVTP2.6 (3CR)	
110	2-668-108-01	BASE, PANEL (A2) (BLACK)	
110	2-668-108-11	BASE, PANEL (A2) (SILVER)	
111	3-325-697-21	WASHER	
112	4-246-100-03	BUTTON (DIA. 7) (SILVER)	
112	4-246-100-23	BUTTON (DIA. 7) (BLACK)	
113	4-942-568-41	EMBLEM (NO.5), SONY (for BLACK)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

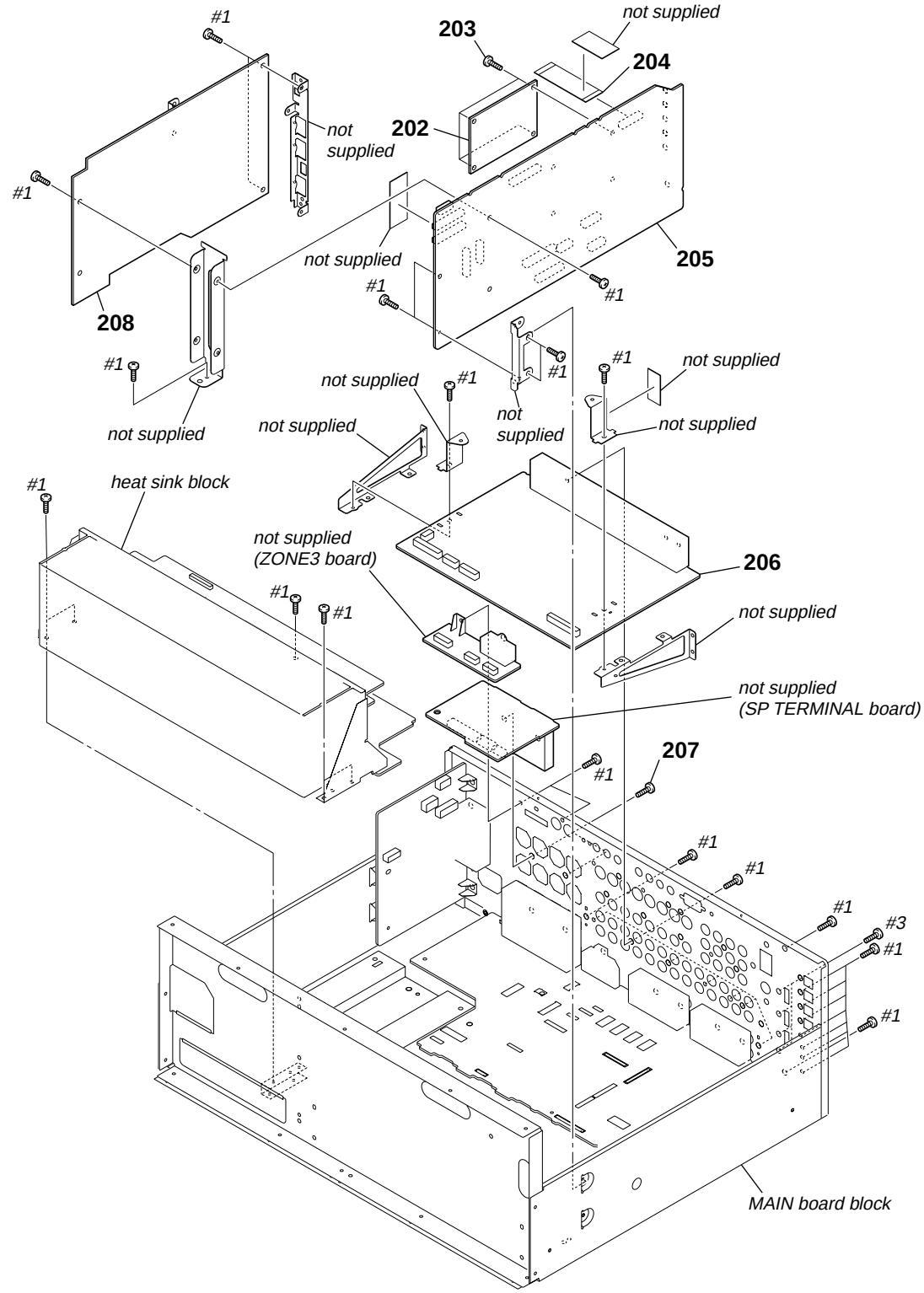
7-4. VIDEO BOARD BLOCK



Ref. No.	Part No.	Description	Remark
151	A-1221-151-A	DCDC-1 BOARD, COMPLETE	
152	A-1183-230-A	A CLASS AMP BOARD, COMPLETE (AEP, UK)	
152	A-1183-457-A	A CLASS AMP BOARD, COMPLETE (US, CND)	
153	A-1182-340-A	E-VOLUME BOARD, COMPLETE	
154	1-828-368-51	WIRE (FLAT TYPE) (21 CORE)	
155	A-1188-308-A	S-VIDEO BOARD, COMPLETE	
156	A-1188-306-A	VIDEO BOARD, COMPLETE	
157	1-693-675-11	TUNER (US, CND)	
157	1-693-676-11	TUNER (AEP, UK)	
158	A-1198-726-A	CIS BOARD, COMPLETE	

Ref. No.	Part No.	Description	Remark
159	1-469-241-11	CORE, FERRITE (RFC-8 BK)	
160	3-655-653-11	BAND (TAITON), BINDING	
161	3-655-653-21	BAND (TAITON), BINDING	
⚠F1405	1-532-506-33	FUSE (T6.3AL/250V)	
⚠T01	1-445-040-11	TRANSFORMER, POWER (US, CND)	
⚠T01	1-445-041-11	TRANSFORMER, POWER (AEP, UK)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-881-09	SCREW +BVTT 4X8 (S)	

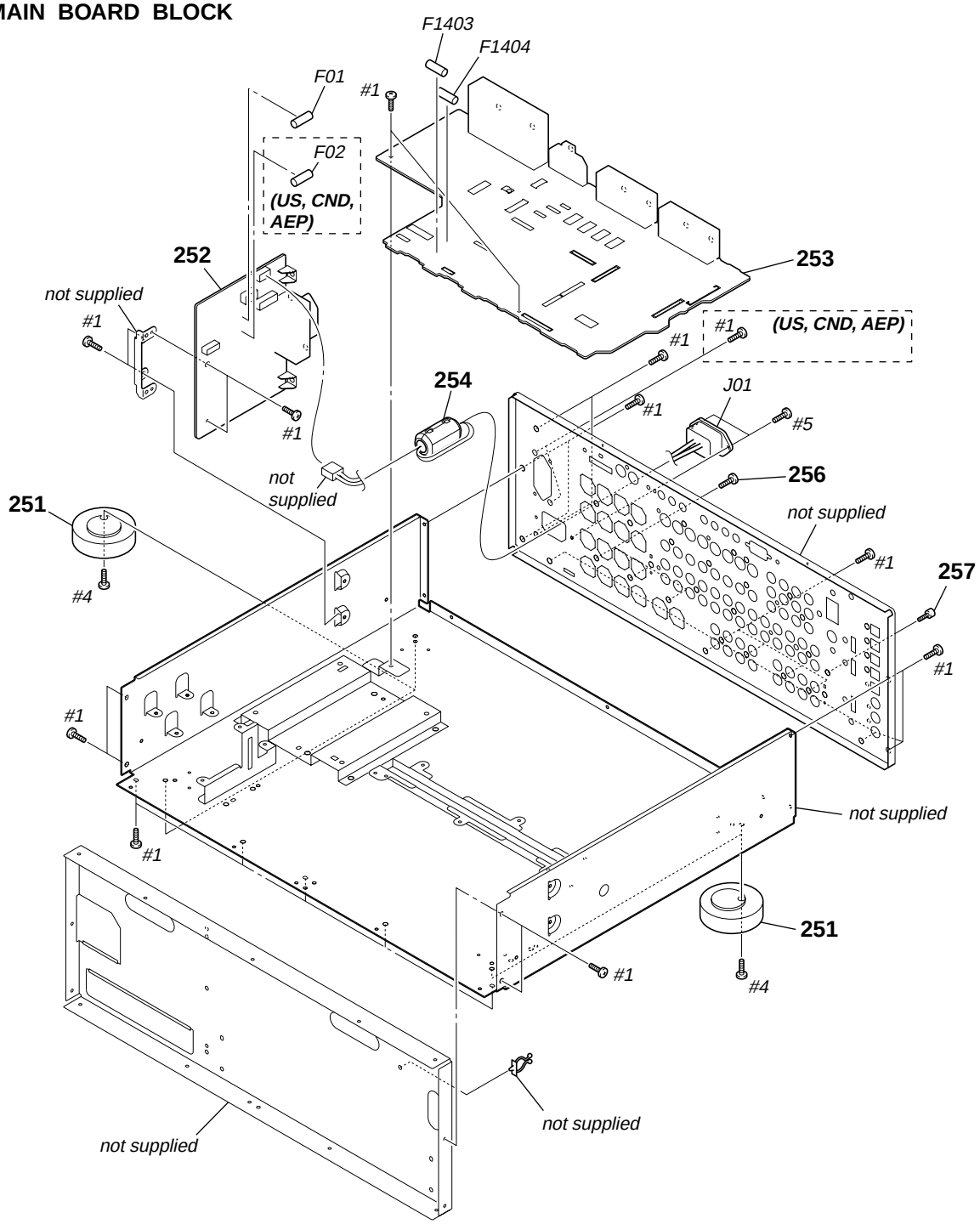
7-5. AUDIO BOARD BLOCK



Ref. No.	Part No.	Description	Remark
202	A-1182-351-A	DSP BOARD, COMPLETE	
203	3-087-053-01	+BVTP 2.6 (3CR)	
204	1-769-944-11	WIRE (FLAT TYPE) (11 CORE) (US, CND)	
204	1-773-008-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK)	
205	A-1188-304-A	DIGITAL BOARD, COMPLETE (AEP, UK)	
205	A-1188-327-A	DIGITAL BOARD, COMPLETE (US, CND)	
206	A-1188-300-A	AUDIO BOARD, COMPLETE (AEP, UK)	
206	A-1188-325-A	AUDIO BOARD, COMPLETE (US, CND)	

Ref. No.	Part No.	Description	Remark
207	3-704-515-51	SCREW (BV/RING)	
🔒 208	A-1212-140-A	HDMI BOARD, COMPLETE (for SERVICE)	(US, CND)
🔒 208	A-1212-141-A	HDMI BOARD, COMPLETE (for SERVICE)	(AEP, UK)
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#3	7-682-547-04	SCREW +B 3X6	

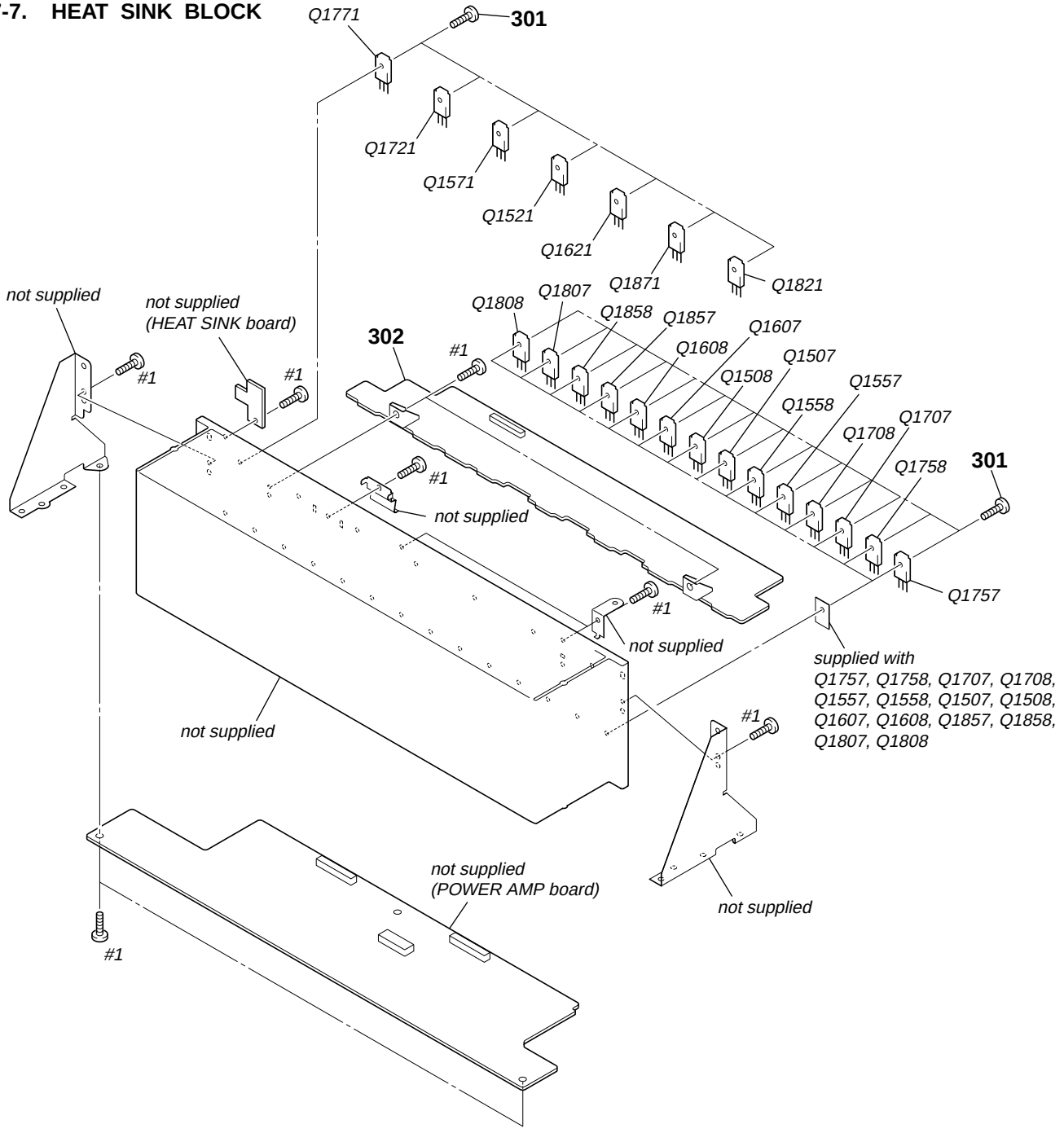
7-6. MAIN BOARD BLOCK



Ref. No.	Part No.	Description	Remark
251	X-4955-348-1	FOOT ASSY	
252	A-1182-298-A	AC BOARD, COMPLETE (AEP)	
252	A-1183-456-A	AC BOARD, COMPLETE (US, CND)	
252	A-1197-514-A	AC BOARD, COMPLETE (UK)	
253	A-1183-224-A	MAIN BOARD, COMPLETE (AEP, UK)	
253	A-1183-450-A	MAIN BOARD, COMPLETE (US, CND)	
254	1-500-824-11	FERRITE CORE	
256	3-704-515-51	SCREW (BV/RING)	
257	4-947-010-01	SCREW, FEEDER FIXED	
⚠F01	1-532-504-33	FUSE (TA4L/250V) (AEP, UK)	
⚠F01	1-533-311-12	FUSE, GLASS CYLINDRICAL (DIA.5) (8A/125V) (US, CND)	

Ref. No.	Part No.	Description	Remark
⚠F02	1-532-464-33	FUSE (T2.5AL/250V) (AEP)	
⚠F02	1-533-420-12	FUSE, GLASS CYLINDRICAL(DIA.5) (5A/125V) (US, CND)	
⚠F1403	1-532-504-33	FUSE (T4AL/250V)	
⚠F1404	1-532-504-33	FUSE (T4AL/250V)	
⚠J01	1-820-651-11	INLET, AC 2P (~AC IN)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#4	7-685-885-09	SCREW +BVTT 4X16 (S)	
#5	7-685-246-19	SCREW +KTP 3X8 TYPE2 NON-SLIT	

7-7. HEAT SINK BLOCK



Ref. No.	Part No.	Description		Remark
301	3-905-609-13	SCREW (TRANSISTOR)		
302	A-1183-225-A	BIAS BOARD, COMPLETE (AEP, UK)		
302	A-1183-451-A	BIAS BOARD, COMPLETE (US, CND)		
Q1507	8-729-051-92	TRANSISTOR	2SD2560	
Q1508	8-729-051-93	TRANSISTOR	2SB1647	
Q1521	8-729-026-08	TRANSISTOR	2SC4495	
Q1557	8-729-051-92	TRANSISTOR	2SD2560	
Q1558	8-729-051-93	TRANSISTOR	2SB1647	
Q1571	8-729-026-08	TRANSISTOR	2SC4495	
Q1607	8-729-051-92	TRANSISTOR	2SD2560	
Q1608	8-729-051-93	TRANSISTOR	2SB1647	
Q1621	8-729-026-08	TRANSISTOR	2SC4495	
Q1707	8-729-051-92	TRANSISTOR	2SD2560	

Ref. No.	Part No.	Description		Remark
Q1708	8-729-051-93	TRANSISTOR	2SB1647	
Q1721	8-729-026-08	TRANSISTOR	2SC4495	
Q1757	8-729-051-92	TRANSISTOR	2SD2560	
Q1758	8-729-051-93	TRANSISTOR	2SB1647	
Q1771	8-729-026-08	TRANSISTOR	2SC4495	
Q1807	8-729-051-92	TRANSISTOR	2SD2560	
Q1808	8-729-051-93	TRANSISTOR	2SB1647	
Q1821	8-729-026-08	TRANSISTOR	2SC4495	
Q1857	8-729-051-92	TRANSISTOR	2SD2560	
Q1858	8-729-051-93	TRANSISTOR	2SB1647	
Q1871	8-729-026-08	TRANSISTOR	2SC4495	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3		

A CLASS AMP

SECTION 8
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS
  uF: µF
- COILS
  uH: µH
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA... : µA... uPA... : µPA...
  uPB... : µPB... uPC... : µPC...
  uPD... : µPD...
- Abbreviation
  CND : Canadian model

When indicating parts by reference number, please include the board.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by mark 🔒 contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

Les composants identifiés par la marque 🔒 contiennent des informations confidentielles.
Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

Ref. No.	Part No.	Description			Remark
	A-1183-230-A	A CLASS AMP BOARD, COMPLETE (AEP, UK)			
	A-1183-457-A	A CLASS AMP BOARD, COMPLETE (US, CND)			
		**********			
		< CAPACITOR >			
C1501	1-112-099-11	ELECT	4.7uF	20%	50V
C1502	1-128-809-11	CERAMIC	100PF	5%	50V
C1503	1-137-503-11	FILM	100PF	5%	100V
C1504	1-136-357-11	FILM	680PF	5%	100V
C1505	1-112-090-11	ELECT	100uF	20%	25V
C1507	1-107-587-11	CERAMIC	7PF	0.5PF	500V
C1508	1-112-421-11	ELECT	330uF	20%	25V
C1510	1-112-416-11	ELECT	220uF	20%	16V
C1511	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1515	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1551	1-112-099-11	ELECT	4.7uF	20%	50V
C1552	1-128-809-11	CERAMIC	100PF	5%	50V
C1553	1-137-503-11	FILM	100PF	5%	100V
C1554	1-136-357-11	FILM	680PF	5%	100V
C1555	1-112-090-11	ELECT	100uF	20%	25V
C1557	1-107-587-11	CERAMIC	7PF	0.5PF	500V
C1558	1-112-421-11	ELECT	330uF	20%	25V
C1560	1-112-416-11	ELECT	220uF	20%	16V
C1561	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1565	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1601	1-112-099-11	ELECT	4.7uF	20%	50V
C1602	1-128-809-11	CERAMIC	100PF	5%	50V
C1603	1-137-503-11	FILM	100PF	5%	100V
C1604	1-136-357-11	FILM	680PF	5%	100V
C1605	1-112-090-11	ELECT	100uF	20%	25V
C1607	1-107-587-11	CERAMIC	7PF	0.5PF	500V
C1608	1-112-421-11	ELECT	330uF	20%	25V
C1610	1-112-416-11	ELECT	220uF	20%	16V
C1611	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1615	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1701	1-112-099-11	ELECT	4.7uF	20%	50V
C1702	1-128-809-11	CERAMIC	100PF	5%	50V
C1703	1-137-503-11	FILM	100PF	5%	100V
C1704	1-136-357-11	FILM	680PF	5%	100V
C1705	1-112-090-11	ELECT	100uF	20%	25V
C1707	1-107-587-11	CERAMIC	7PF	0.5PF	500V
C1708	1-112-421-11	ELECT	330uF	20%	25V
C1710	1-112-416-11	ELECT	220uF	20%	16V
C1711	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1715	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1751	1-112-099-11	ELECT	4.7uF	20%	50V
C1752	1-128-809-11	CERAMIC	100PF	5%	50V
C1753	1-137-503-11	FILM	100PF	5%	100V
C1754	1-136-357-11	FILM	680PF	5%	100V
C1755	1-112-090-11	ELECT	100uF	20%	25V
C1757	1-107-587-11	CERAMIC	7PF	0.5PF	500V
C1758	1-112-421-11	ELECT	330uF	20%	25V
C1760	1-112-416-11	ELECT	220uF	20%	16V
C1761	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1765	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1801	1-112-099-11	ELECT	4.7uF	20%	50V
C1802	1-128-809-11	CERAMIC	100PF	5%	50V
C1803	1-137-503-11	FILM	100PF	5%	100V
C1804	1-136-357-11	FILM	680PF	5%	100V
C1805	1-112-090-11	ELECT	100uF	20%	25V
C1807	1-107-587-11	CERAMIC	7PF	0.5PF	500V
C1808	1-112-421-11	ELECT	330uF	20%	25V
C1810	1-112-416-11	ELECT	220uF	20%	16V
C1811	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1815	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1851	1-112-099-11	ELECT	4.7uF	20%	50V
C1852	1-128-809-11	CERAMIC	100PF	5%	50V
C1853	1-137-503-11	FILM	100PF	5%	100V
C1854	1-136-357-11	FILM	680PF	5%	100V
C1855	1-112-090-11	ELECT	100uF	20%	25V
C1857	1-107-587-11	CERAMIC	7PF	0.5PF	500V
C1858	1-112-421-11	ELECT	330uF	20%	25V
C1860	1-112-416-11	ELECT	220uF	20%	16V
C1861	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1865	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C1901	1-112-109-11	ELECT	22uF	20%	100V
C1902	1-112-109-11	ELECT	22uF	20%	100V
C1911	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1912	1-127-888-11	CERAMIC	0.1uF	10%	50V
		< CONNECTOR >			
CNP1901	1-784-925-11	PIN, CONNECTOR 10P			
CNP1902	1-779-977-11	PIN, CONNECTOR 6P			

Ref. No.	Part No.	Description	Remark
CNS1501	1-764-864-41	CONNECTOR, BOARD TO BOARD 12P	
CNS1502	1-784-041-41	CONNECTOR, BOARD TO BOARD 9P	
CNS1903	1-764-864-41	CONNECTOR, BOARD TO BOARD 12P	
CNS1904	1-764-864-41	CONNECTOR, BOARD TO BOARD 12P	
		< DIODE >	
D1501	8-719-109-93	DIODE RD6.2ESB2	
D1551	8-719-109-93	DIODE RD6.2ESB2	
D1601	8-719-109-93	DIODE RD6.2ESB2	
D1701	8-719-109-93	DIODE RD6.2ESB2	
D1751	8-719-109-93	DIODE RD6.2ESB2	
D1801	8-719-109-93	DIODE RD6.2ESB2	
D1851	8-719-109-93	DIODE RD6.2ESB2	
D1901	8-719-991-33	DIODE 1SS133T-77	
D1902	8-719-991-33	DIODE 1SS133T-77	
D1903	8-719-991-33	DIODE 1SS133T-77	
D1907	8-719-991-33	DIODE 1SS133T-77	
		< IC >	
IC1902	8-759-167-88	IC NJM4565D	
IC1904	8-759-239-14	IC TA78L05S	
		< TRANSISTOR >	
Q1501	8-729-045-15	TRANSISTOR 2SC5169-FG	
Q1502	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1503	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1504	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1505	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1551	8-729-045-15	TRANSISTOR 2SC5169-FG	
Q1552	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1553	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1554	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1555	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1601	8-729-045-15	TRANSISTOR 2SC5169-FG	
Q1602	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1603	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1604	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1605	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1701	8-729-045-15	TRANSISTOR 2SC5169-FG	
Q1702	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1703	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1704	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1705	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1751	8-729-045-15	TRANSISTOR 2SC5169-FG	
Q1752	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1753	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1754	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1755	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1801	8-729-045-15	TRANSISTOR 2SC5169-FG	
Q1802	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1803	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1804	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1805	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1851	8-729-045-15	TRANSISTOR 2SC5169-FG	
Q1852	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1853	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1854	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1855	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1901	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1902	8-729-140-96	TRANSISTOR 2SD774-34	
Q1903	8-729-140-96	TRANSISTOR 2SD774-34	
Q1910	8-729-029-94	TRANSISTOR DTC143TSA	
Q1911	8-729-029-86	TRANSISTOR DTC124ESA	
Q1912	8-729-029-86	TRANSISTOR DTC124ESA	
Q1913	8-729-029-86	TRANSISTOR DTC124ESA	
		< RESISTOR >	
R1501	1-259-428-61	CARBON 1K 5% 1/6W	
R1502	1-259-476-61	CARBON 100K 5% 1/6W	
⚠R1503	1-249-409-11	CARBON 220 5% 1/4W F	
⚠R1504	1-249-409-11	CARBON 220 5% 1/4W F	
R1505	1-259-410-61	CARBON 180 5% 1/6W	
R1506	1-259-440-61	CARBON 3.3K 5% 1/6W	
R1507	1-259-436-61	CARBON 2.2K 5% 1/6W	
R1509	1-260-116-11	CARBON 27K 5% 1/2W	
⚠R1511	1-249-405-11	CARBON 100 5% 1/4W F	
R1512	1-247-764-11	CARBON 10K 5% 1/2W	
R1513	1-247-759-11	CARBON 3.9K 5% 1/2W	
R1514	1-249-496-11	CARBON 100K 5% 1/2W	
R1549	1-259-476-61	CARBON 100K 5% 1/6W	
R1551	1-259-428-61	CARBON 1K 5% 1/6W	
R1552	1-259-476-61	CARBON 100K 5% 1/6W	
⚠R1553	1-249-409-11	CARBON 220 5% 1/4W F	
⚠R1554	1-249-409-11	CARBON 220 5% 1/4W F	
R1555	1-259-410-61	CARBON 180 5% 1/6W	
R1556	1-259-440-61	CARBON 3.3K 5% 1/6W	
R1557	1-259-436-61	CARBON 2.2K 5% 1/6W	
R1559	1-260-116-11	CARBON 27K 5% 1/2W	
⚠R1561	1-249-405-11	CARBON 100 5% 1/4W F	
R1562	1-247-764-11	CARBON 10K 5% 1/2W	
R1563	1-247-759-11	CARBON 3.9K 5% 1/2W	
R1564	1-249-496-11	CARBON 100K 5% 1/2W	
R1601	1-259-428-61	CARBON 1K 5% 1/6W	
R1602	1-259-476-61	CARBON 100K 5% 1/6W	
⚠R1603	1-249-409-11	CARBON 220 5% 1/4W F	
⚠R1604	1-249-409-11	CARBON 220 5% 1/4W F	
R1605	1-259-410-61	CARBON 180 5% 1/6W	
R1606	1-259-440-61	CARBON 3.3K 5% 1/6W	
R1607	1-259-436-61	CARBON 2.2K 5% 1/6W	
R1609	1-260-116-11	CARBON 27K 5% 1/2W	
⚠R1611	1-249-405-11	CARBON 100 5% 1/4W F	
R1612	1-247-764-11	CARBON 10K 5% 1/2W	
R1613	1-247-759-11	CARBON 3.9K 5% 1/2W	
R1614	1-249-496-11	CARBON 100K 5% 1/2W	
R1701	1-259-428-61	CARBON 1K 5% 1/6W	
R1702	1-259-476-61	CARBON 100K 5% 1/6W	
⚠R1703	1-249-409-11	CARBON 220 5% 1/4W F	
⚠R1704	1-249-409-11	CARBON 220 5% 1/4W F	
R1705	1-259-410-61	CARBON 180 5% 1/6W	
R1706	1-259-440-61	CARBON 3.3K 5% 1/6W	
R1707	1-259-436-61	CARBON 2.2K 5% 1/6W	
R1709	1-260-116-11	CARBON 27K 5% 1/2W	
⚠R1711	1-249-405-11	CARBON 100 5% 1/4W F	
R1712	1-247-764-11	CARBON 10K 5% 1/2W	

A CLASS AMP **AC**

Ref. No.	Part No.	Description			Remark
R1713	1-247-759-11	CARBON	3.9K	5%	1/2W
R1714	1-249-496-11	CARBON	100K	5%	1/2W
R1751	1-259-428-61	CARBON	1K	5%	1/6W
R1752	1-259-476-61	CARBON	100K	5%	1/6W
⚠R1753	1-249-409-11	CARBON	220	5%	1/4W F
⚠R1754	1-249-409-11	CARBON	220	5%	1/4W F
R1755	1-259-410-61	CARBON	180	5%	1/6W
R1756	1-259-440-61	CARBON	3.3K	5%	1/6W
R1757	1-259-436-61	CARBON	2.2K	5%	1/6W
R1759	1-260-116-11	CARBON	27K	5%	1/2W
⚠R1761	1-249-405-11	CARBON	100	5%	1/4W F
R1762	1-247-764-11	CARBON	10K	5%	1/2W
R1763	1-247-759-11	CARBON	3.9K	5%	1/2W
R1764	1-249-496-11	CARBON	100K	5%	1/2W
R1801	1-259-428-61	CARBON	1K	5%	1/6W
R1802	1-259-476-61	CARBON	100K	5%	1/6W
⚠R1803	1-249-409-11	CARBON	220	5%	1/4W F
⚠R1804	1-249-409-11	CARBON	220	5%	1/4W F
R1805	1-259-410-61	CARBON	180	5%	1/6W
R1806	1-259-440-61	CARBON	3.3K	5%	1/6W
R1807	1-259-436-61	CARBON	2.2K	5%	1/6W
R1809	1-260-116-11	CARBON	27K	5%	1/2W
⚠R1811	1-249-405-11	CARBON	100	5%	1/4W F
R1812	1-247-764-11	CARBON	10K	5%	1/2W
R1813	1-247-759-11	CARBON	3.9K	5%	1/2W
R1814	1-249-496-11	CARBON	100K	5%	1/2W
R1851	1-259-428-61	CARBON	1K	5%	1/6W
R1852	1-259-476-61	CARBON	100K	5%	1/6W
⚠R1853	1-249-409-11	CARBON	220	5%	1/4W F
⚠R1854	1-249-409-11	CARBON	220	5%	1/4W F
R1855	1-259-410-61	CARBON	180	5%	1/6W
R1856	1-259-440-61	CARBON	3.3K	5%	1/6W
R1857	1-259-436-61	CARBON	2.2K	5%	1/6W
R1859	1-260-116-11	CARBON	27K	5%	1/2W
⚠R1861	1-249-405-11	CARBON	100	5%	1/4W F
R1862	1-247-764-11	CARBON	10K	5%	1/2W
R1863	1-247-759-11	CARBON	3.9K	5%	1/2W
R1864	1-249-496-11	CARBON	100K	5%	1/2W
R1901	1-259-460-61	CARBON	22K	5%	1/6W
R1902	1-259-460-61	CARBON	22K	5%	1/6W
⚠R1903	1-249-393-11	CARBON	10	5%	1/4W F
R1904	1-259-460-61	CARBON	22K	5%	1/6W
R1905	1-215-865-81	METAL OXIDE	220	5%	1W F (US, CND)
R1905	1-215-891-11	METAL OXIDE	680	5%	2W F (AEP, UK)
R1906	1-259-460-61	CARBON	22K	5%	1/6W
R1907	1-259-476-61	CARBON	100K	5%	1/6W
R1908	1-215-863-11	METAL OXIDE	100	5%	1W F (US, CND)
R1908	1-216-453-00	METAL OXIDE	270	5%	2W F (AEP, UK)
R1909	1-249-435-11	CARBON	33K	5%	1/4W
R1910	1-247-891-00	CARBON	330K	5%	1/4W
R1920	1-249-417-11	CARBON	1K	5%	1/4W
R1921	1-247-862-11	CARBON	20K	5%	1/4W
R1922	1-259-440-61	CARBON	3.3K	5%	1/6W
R1924	1-249-429-11	CARBON	10K	5%	1/4W
R1925	1-247-864-11	CARBON	24K	5%	1/4W
R1927	1-249-429-11	CARBON	10K	5%	1/4W
R1931	1-249-417-11	CARBON	1K	5%	1/4W
R1932	1-249-429-11	CARBON	10K	5%	1/4W

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	A-1182-298-A	AC BOARD, COMPLETE (AEP)	
	A-1183-456-A	AC BOARD, COMPLETE (US, CND)	
	A-1197-514-A	AC BOARD, COMPLETE (UK)	
		**********	
	7-685-645-79	SCREW +BVTP 3X6 TYPE2 IT-3 (AEP, UK)	
		< CAPACITOR >	
C51	1-126-964-11	ELECT	10uF 20% 50V
C52	1-112-093-11	ELECT	2200uF 20% 25V
C53	1-112-093-11	ELECT	2200uF 20% 25V
C54	1-128-817-11	CERAMIC	470PF 5% 50V
C55	1-136-287-11	FILM	0.0047uF 5% 100V
C56	1-137-465-11	MYLAR	0.056uF 5% 100V
C57	1-112-422-11	ELECT	470uF 20% 25V
C58	1-127-888-11	CERAMIC	0.1uF 10% 50V
⚠C59	1-113-925-11	CERAMIC	0.01uF 20% 250V
		< CONNECTOR >	
* CNP02	1-564-687-11	PIN, CONNECTOR (3.96mm PITCH) 3P	
CNP51	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P	
* CNP53	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P	
CNP54	1-784-922-11	PIN, CONNECTOR 5P	
		< DIODE >	
D51	6-500-522-11	DIODE 10EDB40-TA2B5	
D52	8-719-210-21	DIODE 11EQS04	
D53	8-719-210-21	DIODE 11EQS04	
D54	8-719-210-21	DIODE 11EQS04	
D55	8-719-210-21	DIODE 11EQS04	
D56	8-719-991-33	DIODE 1SS133T-77	
D57	8-719-991-33	DIODE 1SS133T-77	
D58	8-719-991-33	DIODE 1SS133T-77	
D61	8-719-109-93	DIODE RD6.2ESB2	
		< EARTH TERMINAL >	
* EB51	1-537-738-21	TERMINAL, EARTH	
		< FUSE HOLDER >	
FH01	1-533-313-11	FUSE HOLDER	
FH02	1-533-313-11	FUSE HOLDER	
FH03	1-533-313-11	FUSE HOLDER (US, CND, AEP)	
FH04	1-533-313-11	FUSE HOLDER (US, CND, AEP)	
		< IC >	
IC51	6-703-547-01	IC TA7805LS (AEP, UK)	
IC51	8-759-450-47	IC BA05T (US, CND)	
		< JACK >	
⚠J02	1-251-718-11	OUTLET (2 GANG), AC (AC OUTLET) (US, CND)	
⚠J02	1-785-285-11	OUTLET, AC (1P) (AC OUTLET) (AEP)	

Ref. No.	Part No.	Description			Remark
		< TRANSISTOR >			
Q51	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q52	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q53	8-729-029-86	TRANSISTOR	DTC124ESA		
Q54	8-729-140-97	TRANSISTOR	2SB734-34		
Q55	8-729-029-86	TRANSISTOR	DTC124ESA		
		< RESISTOR >			
⚠R01	1-219-237-91	SOLID	3.3M	20%	1/2W F (US, CND)
R51	1-249-429-11	CARBON	10K	5%	1/4W
R52	1-249-427-11	CARBON	6.8K	5%	1/4W
R53	1-247-863-11	CARBON	22K	5%	1/4W
R54	1-249-421-11	CARBON	2.2K	5%	1/4W
R55	1-249-429-11	CARBON	10K	5%	1/4W
R58	1-247-843-11	CARBON	3.3K	5%	1/4W
R59	1-249-429-11	CARBON	10K	5%	1/4W
⚠R60	1-249-389-11	CARBON	4.7	5%	1/4W F
R61	1-249-415-11	CARBON	680	5%	1/4W
		< RELAY >			
⚠RY01	1-755-266-11	RELAY, AC POWER			
		< TRANSFORMER >			
⚠T02	1-435-162-21	TRANSFORMER, POWER (US, CND)			
⚠T02	1-435-163-21	TRANSFORMER, POWER (AEP, UK)			
**********					
	A-1188-300-A	AUDIO BOARD, COMPLETE (AEP, UK)			
	A-1188-325-A	AUDIO BOARD, COMPLETE (US, CND)			
		**********			
		< CAPACITOR >			
C411	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C412	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C413	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C414	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C415	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C416	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C417	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C418	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C419	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C420	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C421	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C431	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C432	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C433	1-110-645-11	ELECT	10uF	20%	63V
C434	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C435	1-114-264-91	ELECT	470uF	20%	16V
C436	1-125-896-91	MYLAR	0.0091uF	5%	50V
C437	1-136-159-00	MYLAR	0.033uF	5%	50V
C438	1-110-645-11	ELECT	10uF	20%	63V
C441	1-126-965-11	ELECT	22uF	20%	50V
C446	1-126-965-11	ELECT	22uF	20%	50V
C451	1-126-965-11	ELECT	22uF	20%	50V
C453	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C456	1-126-965-11	ELECT	22uF	20%	50V
C461	1-110-390-11	ELECT	22uF	20%	63V

Ref. No.	Part No.	Description			Remark
C462	1-110-390-11	ELECT	22uF	20%	63V
C463	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C464	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C465	1-112-097-11	ELECT	2.2uF	20%	50V
C466	1-112-097-11	ELECT	2.2uF	20%	50V
C481	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C482	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C485	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C486	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C487	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C488	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C497	1-114-263-91	ELECT	47uF	20%	25V
C498	1-114-263-91	ELECT	47uF	20%	25V
C499	1-114-263-91	ELECT	47uF	20%	25V
C511	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C512	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C513	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C514	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C515	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C516	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C517	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C518	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C519	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C520	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C521	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C531	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C532	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C533	1-110-645-11	ELECT	10uF	20%	63V
C534	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C535	1-114-264-91	ELECT	470uF	20%	16V
C536	1-125-896-91	MYLAR	0.0091uF	5%	50V
C537	1-136-159-00	MYLAR	0.033uF	5%	50V
C538	1-110-645-11	ELECT	10uF	20%	63V
C541	1-126-965-11	ELECT	22uF	20%	50V
C546	1-126-965-11	ELECT	22uF	20%	50V
C548	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C551	1-126-965-11	ELECT	22uF	20%	50V
C553	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C556	1-126-965-11	ELECT	22uF	20%	50V
C581	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C582	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C585	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C586	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C587	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C588	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C597	1-114-263-91	ELECT	47uF	20%	25V
C598	1-114-263-91	ELECT	47uF	20%	25V
C599	1-114-263-91	ELECT	47uF	20%	25V
C601	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C602	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C603	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C604	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C616	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C617	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C618	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C619	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C620	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C621	1-163-025-11	CERAMIC CHIP	0.001uF		50V

AUDIO

Ref. No.	Part No.	Description			Remark
C622	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C623	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C624	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C625	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C626	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C627	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C631	1-163-033-00	CERAMIC CHIP	0.022uF		50V
C632	1-163-033-00	CERAMIC CHIP	0.022uF		50V
C633	1-114-263-91	ELECT	47uF	20%	25V
C634	1-114-263-91	ELECT	47uF	20%	25V
C641	1-114-263-91	ELECT	47uF	20%	25V
C642	1-114-263-91	ELECT	47uF	20%	25V
C643	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C644	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C645	1-114-263-91	ELECT	47uF	20%	25V
C646	1-114-263-91	ELECT	47uF	20%	25V
C653	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C654	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C662	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C663	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C685	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C686	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C687	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C688	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C692	1-114-262-21	ELECT	2200uF	20%	25V
C693	1-114-262-21	ELECT	2200uF	20%	25V
C694	1-126-948-11	ELECT	100uF	20%	35V
		< CONNECTOR >			
CN601	1-794-006-11	CONNECTOR 20P			
CN602	1-784-924-11	PIN, CONNECTOR 8P			
CN603	1-784-923-11	PIN, CONNECTOR 7P			
CN604	1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P (US, CND)			
CN605	1-784-922-11	PIN, CONNECTOR 5P			
CN606	1-784-927-11	PIN, CONNECTOR 12P			
CN608	1-779-978-11	PIN, CONNECTOR 3P			
CN612	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
		< DIODE >			
D641	6-501-193-01	DIODE 1SS355WTE-17			
D651	6-501-193-01	DIODE 1SS355WTE-17			
		< IC >			
IC301	8-759-710-97	IC NJM4565M-D			
IC401	6-709-810-01	IC TC9274CNG-015			
IC402	6-710-005-01	IC TC9273CFG-004			
IC461	8-759-710-97	IC NJM4565M-D			
IC501	6-709-810-01	IC TC9274CNG-015			
IC600	6-710-004-01	IC TC9274CFG-016			
IC611	8-759-710-97	IC NJM4565M-D			
IC613	8-759-710-97	IC NJM4565M-D			
IC615	8-759-710-97	IC NJM4565M-D			
IC616	8-759-710-97	IC NJM4565M-D			
IC617	8-759-710-97	IC NJM4565M-D			
IC619	8-759-710-97	IC NJM4565M-D			
IC621	8-759-710-97	IC NJM4565M-D			
IC643	8-759-710-97	IC NJM4565M-D			
IC653	8-759-710-97	IC NJM4565M-D			

Ref. No.	Part No.	Description			Remark
		< JACK >			
J605	1-774-411-11	JACK, PIN 6P (PHONO IN, SA-CD/CD IN, MD/DAT OUT)			
J606	1-774-411-11	JACK, PIN 6P (MD/DAT IN, TAPE/CD-R OUT, TAPE/CD-R IN)			
J607	1-774-411-11	JACK, PIN 6P (TV/SAT AUDIO IN, DVD AUDIO IN,VIDEO 2 AUDIO OUT)			
J608	1-774-411-11	JACK, PIN 6P (VIDEO 2 AUDIO IN, VIDEO 1 AUDIO OUT, VIDEO 1 AUDIO IN)			
J609	1-815-045-11	JACK, PIN 2P (ZONE 2 AUDIO OUT)			
		< JUMPER RESISTOR/CAPACITOR >			
JW450	1-216-295-00	SHORT CHIP	0		
JW451	1-165-319-11	CERAMIC CHIP	0.1uF		50V
JW452	1-165-319-11	CERAMIC CHIP	0.1uF		50V
JW453	1-165-319-11	CERAMIC CHIP	0.1uF		50V
JW672	1-216-295-00	SHORT CHIP	0		
JW673	1-216-295-00	SHORT CHIP	0		
		< TRANSISTOR >			
Q540	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q552	8-729-230-49	TRANSISTOR	2SC2712-YG		
		< RESISTOR >			
R411	1-208-437-41	RES-CHIP	1K	2%	1/10W
R412	1-208-437-41	RES-CHIP	1K	2%	1/10W
R413	1-208-437-41	RES-CHIP	1K	2%	1/10W
R414	1-208-437-41	RES-CHIP	1K	2%	1/10W
R415	1-208-437-41	RES-CHIP	1K	2%	1/10W
R416	1-208-437-41	RES-CHIP	1K	2%	1/10W
R417	1-208-437-41	RES-CHIP	1K	2%	1/10W
R418	1-208-437-41	RES-CHIP	1K	2%	1/10W
R419	1-208-437-41	RES-CHIP	1K	2%	1/10W
R420	1-208-437-41	RES-CHIP	1K	2%	1/10W
R421	1-208-437-41	RES-CHIP	1K	2%	1/10W
R422	1-208-526-41	RES-CHIP	47K	2%	1/10W
R423	1-208-526-41	RES-CHIP	47K	2%	1/10W
R424	1-208-518-41	RES-CHIP	22K	2%	1/10W
R425	1-208-518-41	RES-CHIP	22K	2%	1/10W
R426	1-208-518-41	RES-CHIP	22K	2%	1/10W
R427	1-208-526-41	RES-CHIP	47K	2%	1/10W
R428	1-208-526-41	RES-CHIP	47K	2%	1/10W
R431	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R432	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R433	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R434	1-216-633-11	METAL CHIP	180	0.5%	1/10W
R435	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R436	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R437	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R438	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R439	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R443	1-208-526-41	RES-CHIP	47K	2%	1/10W
R444	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R445	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R446	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R447	1-208-437-41	RES-CHIP	1K	2%	1/10W
R453	1-208-526-41	RES-CHIP	47K	2%	1/10W

Ref. No.	Part No.	Description			Remark
R454	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R455	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R456	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R461	1-208-526-41	RES-CHIP	47K	2%	1/10W
R462	1-208-526-41	RES-CHIP	47K	2%	1/10W
R463	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R464	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R465	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R466	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R467	1-208-437-41	RES-CHIP	1K	2%	1/10W
R468	1-208-437-41	RES-CHIP	1K	2%	1/10W
R485	1-216-615-11	METAL CHIP	33	0.5%	1/10W
R486	1-216-615-11	METAL CHIP	33	0.5%	1/10W
R487	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R488	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R489	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R511	1-208-437-41	RES-CHIP	1K	2%	1/10W
R512	1-208-437-41	RES-CHIP	1K	2%	1/10W
R513	1-208-437-41	RES-CHIP	1K	2%	1/10W
R514	1-208-437-41	RES-CHIP	1K	2%	1/10W
R515	1-208-437-41	RES-CHIP	1K	2%	1/10W
R516	1-208-437-41	RES-CHIP	1K	2%	1/10W
R517	1-208-437-41	RES-CHIP	1K	2%	1/10W
R518	1-208-437-41	RES-CHIP	1K	2%	1/10W
R519	1-208-437-41	RES-CHIP	1K	2%	1/10W
R520	1-208-437-41	RES-CHIP	1K	2%	1/10W
R521	1-208-437-41	RES-CHIP	1K	2%	1/10W
R522	1-208-526-41	RES-CHIP	47K	2%	1/10W
R523	1-208-526-41	RES-CHIP	47K	2%	1/10W
R524	1-208-518-41	RES-CHIP	22K	2%	1/10W
R525	1-208-518-41	RES-CHIP	22K	2%	1/10W
R526	1-208-518-41	RES-CHIP	22K	2%	1/10W
R527	1-208-526-41	RES-CHIP	47K	2%	1/10W
R528	1-208-526-41	RES-CHIP	47K	2%	1/10W
R531	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R532	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R533	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R534	1-216-633-11	METAL CHIP	180	0.5%	1/10W
R535	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R536	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R537	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R538	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R539	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R543	1-208-526-41	RES-CHIP	47K	2%	1/10W
R544	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R545	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R546	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R547	1-208-437-41	RES-CHIP	1K	2%	1/10W
R548	1-208-462-41	RES-CHIP	10K	2%	1/10W
R549	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R551	1-208-462-41	RES-CHIP	10K	2%	1/10W
R552	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R553	1-208-526-41	RES-CHIP	47K	2%	1/10W
R554	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R555	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R556	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R585	1-216-615-11	METAL CHIP	33	0.5%	1/10W
R586	1-216-615-11	METAL CHIP	33	0.5%	1/10W
R587	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R588	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R589	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R600	1-216-615-11	METAL CHIP	33	0.5%	1/10W
R601	1-216-615-11	METAL CHIP	33	0.5%	1/10W
R602	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R603	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R604	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R634	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R635	1-216-635-11	METAL CHIP	220	0.5%	1/10W
⚠R646	1-249-393-11	CARBON	10	5%	1/4W F
⚠R656	1-249-393-11	CARBON	10	5%	1/4W F
R685	1-216-615-11	METAL CHIP	33	0.5%	1/10W
R686	1-216-615-11	METAL CHIP	33	0.5%	1/10W
R687	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R688	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R689	1-216-627-11	METAL CHIP	100	0.5%	1/10W
		< RELAY >			
RY641	1-755-486-11	RELAY			
RY651	1-755-486-11	RELAY			
**********					
	A-1183-225-A	BIAS BOARD, COMPLETE (AEP, UK)			
	A-1183-451-A	BIAS BOARD, COMPLETE (US, CND)			
		**********			
		< CAPACITOR >			
C1521	1-112-089-11	ELECT	47uF	20%	25V
C1522	1-128-813-11	CERAMIC	220PF	5%	50V
C1523	1-136-153-00	MYLAR	0.01uF	5%	50V
C1524	1-126-964-11	ELECT	10uF	20%	50V
C1571	1-112-089-11	ELECT	47uF	20%	25V
C1572	1-128-813-11	CERAMIC	220PF	5%	50V
C1573	1-136-153-00	MYLAR	0.01uF	5%	50V
C1574	1-126-964-11	ELECT	10uF	20%	50V
C1621	1-112-089-11	ELECT	47uF	20%	25V
C1622	1-128-813-11	CERAMIC	220PF	5%	50V
C1623	1-136-153-00	MYLAR	0.01uF	5%	50V
C1624	1-126-964-11	ELECT	10uF	20%	50V
C1721	1-112-089-11	ELECT	47uF	20%	25V
C1722	1-128-813-11	CERAMIC	220PF	5%	50V
C1723	1-136-153-00	MYLAR	0.01uF	5%	50V
C1724	1-126-964-11	ELECT	10uF	20%	50V
C1771	1-112-089-11	ELECT	47uF	20%	25V
C1772	1-128-813-11	CERAMIC	220PF	5%	50V
C1773	1-136-153-00	MYLAR	0.01uF	5%	50V
C1774	1-126-964-11	ELECT	10uF	20%	50V
C1821	1-112-089-11	ELECT	47uF	20%	25V
C1822	1-128-813-11	CERAMIC	220PF	5%	50V
C1823	1-136-153-00	MYLAR	0.01uF	5%	50V
C1824	1-126-964-11	ELECT	10uF	20%	50V
C1871	1-112-089-11	ELECT	47uF	20%	25V
C1872	1-128-813-11	CERAMIC	220PF	5%	50V
C1873	1-136-153-00	MYLAR	0.01uF	5%	50V
C1874	1-126-964-11	ELECT	10uF	20%	50V
C1905	1-126-965-11	ELECT	22uF	20%	50V
C1906	1-112-402-11	ELECT	470uF	20%	6.3V

BIAS

Ref. No.	Part No.	Description			Remark
C1907	1-128-805-11	CERAMIC	47PF	5%	50V
C1908	1-128-805-11	CERAMIC	47PF	5%	50V
C1909	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1910	1-135-800-11	CERAMIC	1uF		50V
C1913	1-135-800-11	CERAMIC	1uF		50V
		< CONNECTOR >			
CNP1501	1-784-923-11	PIN, CONNECTOR 7P			
CNP1502	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P			
CNP1551	1-784-923-11	PIN, CONNECTOR 7P			
CNP1552	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P			
CNP1601	1-784-923-11	PIN, CONNECTOR 7P			
CNP1602	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P			
CNP1701	1-784-923-11	PIN, CONNECTOR 7P			
CNP1702	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P			
CNP1751	1-784-923-11	PIN, CONNECTOR 7P			
CNP1752	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P			
CNP1801	1-784-923-11	PIN, CONNECTOR 7P			
CNP1802	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P			
CNP1851	1-784-923-11	PIN, CONNECTOR 7P			
CNP1852	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P			
		< DIODE >			
D1521	8-719-991-33	DIODE	1SS133T-77		
D1522	8-719-991-33	DIODE	1SS133T-77		
D1571	8-719-991-33	DIODE	1SS133T-77		
D1572	8-719-991-33	DIODE	1SS133T-77		
D1621	8-719-991-33	DIODE	1SS133T-77		
D1622	8-719-991-33	DIODE	1SS133T-77		
D1721	8-719-991-33	DIODE	1SS133T-77		
D1722	8-719-991-33	DIODE	1SS133T-77		
D1771	8-719-991-33	DIODE	1SS133T-77		
D1772	8-719-991-33	DIODE	1SS133T-77		
D1821	8-719-991-33	DIODE	1SS133T-77		
D1822	8-719-991-33	DIODE	1SS133T-77		
D1871	8-719-991-33	DIODE	1SS133T-77		
D1872	8-719-991-33	DIODE	1SS133T-77		
D1901	8-719-991-33	DIODE	1SS133T-77		
D1902	8-719-991-33	DIODE	1SS133T-77		
D1903	8-719-991-33	DIODE	1SS133T-77		
D1904	8-719-991-33	DIODE	1SS133T-77		
D1905	8-719-991-33	DIODE	1SS133T-77		
D1906	8-719-109-93	DIODE	RD6.2ESB2		
		< IC >			
IC1901	8-759-167-88	IC	NJM4565D		
IC1903	6-710-072-01	IC	LM61CIZ/LFT2		
IC1905	6-710-072-01	IC	LM61CIZ/LFT2		
		< TRANSISTOR >			
Q1522	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP		
Q1523	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP		
Q1524	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q1572	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP		
Q1573	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP		
Q1574	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q1622	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP		
Q1623	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP		

Ref. No.	Part No.	Description		Remark
Q1624	8-729-119-78	TRANSISTOR	2SC2785-HFE	
Q1722	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
Q1723	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
Q1724	8-729-119-78	TRANSISTOR	2SC2785-HFE	
Q1772	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
Q1773	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
Q1774	8-729-119-78	TRANSISTOR	2SC2785-HFE	
Q1822	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
Q1823	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
Q1824	8-729-119-78	TRANSISTOR	2SC2785-HFE	
Q1872	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
Q1873	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
Q1874	8-729-119-78	TRANSISTOR	2SC2785-HFE	
Q1904	8-729-281-53	TRANSISTOR	2SC1815-GR	
Q1905	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA	
Q1906	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
Q1907	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP	
Q1908	8-729-029-86	TRANSISTOR	DTC124ESA	
		< RESISTOR >		
R1521	1-259-440-61	CARBON	3.3K 5%	1/6W
R1522	1-259-428-61	CARBON	1K 5%	1/6W
R1524	1-259-468-61	CARBON	47K 5%	1/6W
R1525	1-247-847-91	CARBON	4.7K 5%	1/4W
⚠R1526	1-240-855-91	CARBON	6.2K 5%	1/4W F
R1527	1-249-420-11	CARBON	1.8K 5%	1/4W
R1528	1-249-431-11	CARBON	15K 5%	1/4W
R1529	1-247-862-11	CARBON	20K 5%	1/4W
R1530	1-247-834-11	CARBON	1.3K 5%	1/4W
R1531	1-249-437-11	CARBON	47K 5%	1/4W
R1532	1-249-431-11	CARBON	15K 5%	1/4W
R1533	1-249-437-11	CARBON	47K 5%	1/4W
R1534	1-247-863-11	CARBON	22K 5%	1/4W
R1535	1-249-439-11	CARBON	68K 5%	1/4W
R1536	1-247-895-00	CARBON	470K 5%	1/4W
R1571	1-259-440-61	CARBON	3.3K 5%	1/6W
R1572	1-259-428-61	CARBON	1K 5%	1/6W
R1574	1-259-468-61	CARBON	47K 5%	1/6W
R1575	1-247-847-91	CARBON	4.7K 5%	1/4W
⚠R1576	1-240-855-91	CARBON	6.2K 5%	1/4W F
R1577	1-249-420-11	CARBON	1.8K 5%	1/4W
R1578	1-249-431-11	CARBON	15K 5%	1/4W
R1579	1-247-862-11	CARBON	20K 5%	1/4W
R1580	1-247-834-11	CARBON	1.3K 5%	1/4W
R1581	1-249-437-11	CARBON	47K 5%	1/4W
R1582	1-249-431-11	CARBON	15K 5%	1/4W
R1583	1-249-437-11	CARBON	47K 5%	1/4W
R1584	1-247-863-11	CARBON	22K 5%	1/4W
R1585	1-249-439-11	CARBON	68K 5%	1/4W
R1586	1-247-895-00	CARBON	470K 5%	1/4W
R1621	1-259-440-61	CARBON	3.3K 5%	1/6W
R1622	1-259-428-61	CARBON	1K 5%	1/6W
R1624	1-259-468-61	CARBON	47K 5%	1/6W
R1625	1-247-847-91	CARBON	4.7K 5%	1/4W
⚠R1626	1-240-855-91	CARBON	6.2K 5%	1/4W F
R1627	1-249-420-11	CARBON	1.8K 5%	1/4W
R1628	1-249-431-11	CARBON	15K 5%	1/4W

BIAS **CIS**

Ref. No.	Part No.	Description			Remark
R1629	1-247-862-11	CARBON	20K	5%	1/4W
R1630	1-247-834-11	CARBON	1.3K	5%	1/4W
R1631	1-249-437-11	CARBON	47K	5%	1/4W
R1632	1-249-431-11	CARBON	15K	5%	1/4W
R1633	1-249-437-11	CARBON	47K	5%	1/4W
R1634	1-247-863-11	CARBON	22K	5%	1/4W
R1635	1-249-439-11	CARBON	68K	5%	1/4W
R1636	1-247-895-00	CARBON	470K	5%	1/4W
R1721	1-259-440-61	CARBON	3.3K	5%	1/6W
R1722	1-259-428-61	CARBON	1K	5%	1/6W
R1724	1-259-468-61	CARBON	47K	5%	1/6W
R1725	1-247-847-91	CARBON	4.7K	5%	1/4W
⚠R1726	1-240-855-91	CARBON	6.2K	5%	1/4W F
R1727	1-249-420-11	CARBON	1.8K	5%	1/4W
R1728	1-249-431-11	CARBON	15K	5%	1/4W
R1729	1-247-862-11	CARBON	20K	5%	1/4W
R1730	1-247-834-11	CARBON	1.3K	5%	1/4W
R1731	1-249-437-11	CARBON	47K	5%	1/4W
R1732	1-249-431-11	CARBON	15K	5%	1/4W
R1733	1-249-437-11	CARBON	47K	5%	1/4W
R1734	1-247-863-11	CARBON	22K	5%	1/4W
R1735	1-249-439-11	CARBON	68K	5%	1/4W
R1736	1-247-895-00	CARBON	470K	5%	1/4W
R1771	1-259-440-61	CARBON	3.3K	5%	1/6W
R1772	1-259-428-61	CARBON	1K	5%	1/6W
R1774	1-259-468-61	CARBON	47K	5%	1/6W
R1775	1-247-847-91	CARBON	4.7K	5%	1/4W
⚠R1776	1-240-855-91	CARBON	6.2K	5%	1/4W F
R1777	1-249-420-11	CARBON	1.8K	5%	1/4W
R1778	1-249-431-11	CARBON	15K	5%	1/4W
R1779	1-247-862-11	CARBON	20K	5%	1/4W
R1780	1-247-834-11	CARBON	1.3K	5%	1/4W
R1781	1-249-437-11	CARBON	47K	5%	1/4W
R1782	1-249-431-11	CARBON	15K	5%	1/4W
R1783	1-249-437-11	CARBON	47K	5%	1/4W
R1784	1-247-863-11	CARBON	22K	5%	1/4W
R1785	1-249-439-11	CARBON	68K	5%	1/4W
R1786	1-247-895-00	CARBON	470K	5%	1/4W
R1821	1-259-440-61	CARBON	3.3K	5%	1/6W
R1822	1-259-428-61	CARBON	1K	5%	1/6W
R1824	1-259-468-61	CARBON	47K	5%	1/6W
R1825	1-247-847-91	CARBON	4.7K	5%	1/4W
⚠R1826	1-240-855-91	CARBON	6.2K	5%	1/4W F
R1827	1-249-420-11	CARBON	1.8K	5%	1/4W
R1828	1-249-431-11	CARBON	15K	5%	1/4W
R1829	1-247-862-11	CARBON	20K	5%	1/4W
R1830	1-247-834-11	CARBON	1.3K	5%	1/4W
R1831	1-249-437-11	CARBON	47K	5%	1/4W
R1832	1-249-431-11	CARBON	15K	5%	1/4W
R1833	1-249-437-11	CARBON	47K	5%	1/4W
R1834	1-247-863-11	CARBON	22K	5%	1/4W
R1835	1-249-439-11	CARBON	68K	5%	1/4W
R1836	1-247-895-00	CARBON	470K	5%	1/4W
R1871	1-259-440-61	CARBON	3.3K	5%	1/6W
R1872	1-259-428-61	CARBON	1K	5%	1/6W
R1874	1-259-468-61	CARBON	47K	5%	1/6W
R1875	1-247-847-91	CARBON	4.7K	5%	1/4W
⚠R1876	1-240-855-91	CARBON	6.2K	5%	1/4W F

Ref. No.	Part No.	Description			Remark
R1877	1-249-420-11	CARBON	1.8K	5%	1/4W
R1878	1-249-431-11	CARBON	15K	5%	1/4W
R1879	1-247-862-11	CARBON	20K	5%	1/4W
R1880	1-247-834-11	CARBON	1.3K	5%	1/4W
R1881	1-249-437-11	CARBON	47K	5%	1/4W
R1882	1-249-431-11	CARBON	15K	5%	1/4W
R1883	1-249-437-11	CARBON	47K	5%	1/4W
R1884	1-247-863-11	CARBON	22K	5%	1/4W
R1885	1-249-439-11	CARBON	68K	5%	1/4W
R1886	1-247-895-00	CARBON	470K	5%	1/4W
R1909	1-249-429-11	CARBON	10K	5%	1/4W
R1910	1-249-417-11	CARBON	1K	5%	1/4W
R1911	1-247-863-11	CARBON	22K	5%	1/4W
R1912	1-249-429-11	CARBON	10K	5%	1/4W
R1913	1-249-429-11	CARBON	10K	5%	1/4W
R1914	1-247-863-11	CARBON	22K	5%	1/4W
R1915	1-247-863-11	CARBON	22K	5%	1/4W
R1916	1-249-430-11	CARBON	12K	5%	1/4W
R1917	1-247-895-00	CARBON	470K	5%	1/4W
R1918	1-249-437-11	CARBON	47K	5%	1/4W
R1919	1-249-429-11	CARBON	10K	5%	1/4W
R1928	1-249-427-11	CARBON	6.8K	5%	1/4W
		< VARIABLE RESISTOR >			
RV1501	1-238-595-11	RES, ADJ, CARBON 220			
RV1551	1-238-595-11	RES, ADJ, CARBON 220			
RV1601	1-238-595-11	RES, ADJ, CARBON 220			
RV1701	1-238-595-11	RES, ADJ, CARBON 220			
RV1751	1-238-595-11	RES, ADJ, CARBON 220			
RV1801	1-238-595-11	RES, ADJ, CARBON 220			
RV1851	1-238-595-11	RES, ADJ, CARBON 220			
**********					
	A-1198-726-A	CIS BOARD, COMPLETE			
		**********			
		< CAPACITOR/JUMPER RESISTOR >			
C801	1-126-947-11	ELECT	47uF	20%	35V
C802	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C803	1-126-961-11	ELECT	2.2uF	20%	50V
C804	1-126-947-11	ELECT	47uF	20%	35V
C805	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C806	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C821	1-126-960-11	ELECT	1uF	20%	50V
C831	1-126-960-11	ELECT	1uF	20%	50V
C841	1-126-960-11	ELECT	1uF	20%	50V
C851	1-126-767-11	ELECT	1000uF	20%	16V
C852	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C861	1-216-295-00	SHORT CHIP	0		
C862	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C863	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C864	1-126-963-11	ELECT	4.7uF	20%	50V
C865	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C868	1-216-295-00	SHORT CHIP	0		
C881	1-216-295-00	SHORT CHIP	0		
C882	1-216-295-00	SHORT CHIP	0		
C883	1-163-038-00	CERAMIC CHIP	0.1uF		25V

CIS | CONNECTOR L | CONNECTOR R | DC-DC-HDMI

Ref. No.	Part No.	Description			Remark
C884	1-126-933-11	ELECT	100uF	20%	16V
C885	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C886	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C887	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C888	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
		< DIODE >			
D801	8-719-988-61	DIODE 1SS355TE-17			
D802	8-719-075-86	LED SID307BRTP19 (REMOTE CONTROL TRANSCEIVER)			
D803	8-719-988-61	DIODE 1SS355TE-17			
		< EARTH TERMINAL >			
EB801	1-537-738-21	TERMINAL, EARTH			
EB802	1-537-738-21	TERMINAL, EARTH			
		< FERRITE BEAD >			
FB881	1-469-152-11	FERRITE, EMI (SMD) (2012)			
		< IC >			
IC801	6-600-349-21	IC NJL23H400A			
IC802	8-759-671-94	IC MC74HC4053AFEL			
IC861	8-759-470-63	IC NJM2145M-TE2			
IC881	8-759-065-85	IC MAX232N			
		< JACK >			
J801	1-563-330-11	JACK (IR REMOTE IR IN)			
J802	1-563-330-11	JACK (IR REMOTE IR OUT 1)			
J803	1-563-330-11	JACK (IR REMOTE IR OUT 2)			
J821	1-563-330-11	JACK (TRIGGER OUT MAIN)			
J831	1-563-330-11	JACK (TRIGGER OUT ZONE 2)			
J841	1-563-330-11	JACK (TRIGGER OUT ZONE 3)			
J861	1-563-330-11	JACK (CTRL S IN)			
J862	1-563-330-11	JACK (CTRL S OUT)			
J881	1-815-737-11	CONNECTOR, (D) SUB 9P (RS232C)			
		< JUMPER RESISTOR >			
JW861	1-216-295-00	SHORT CHIP	0		
		< TRANSISTOR >			
Q821	8-729-140-93	TRANSISTOR	2SB733-34		
Q822	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q831	8-729-140-93	TRANSISTOR	2SB733-34		
Q832	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q841	8-729-140-93	TRANSISTOR	2SB733-34		
Q842	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR/THERMISTOR >			
R801	1-216-073-00	RES-CHIP	10K	5%	1/10W
R802	1-216-001-00	RES-CHIP	10	5%	1/10W
R803	1-216-097-11	RES-CHIP	100K	5%	1/10W
R804	1-216-073-00	RES-CHIP	10K	5%	1/10W
R805	1-216-097-11	RES-CHIP	100K	5%	1/10W
R806	1-216-025-11	RES-CHIP	100	5%	1/10W
R807	1-216-025-11	RES-CHIP	100	5%	1/10W
R821	1-801-726-11	THERMISTOR, POSITIVE			
R822	1-216-073-00	RES-CHIP	10K	5%	1/10W
R823	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R824	1-216-073-00	RES-CHIP	10K	5%	1/10W
R825	1-216-025-11	RES-CHIP	100	5%	1/10W
R831	1-801-726-11	THERMISTOR, POSITIVE			
R832	1-216-073-00	RES-CHIP	10K	5%	1/10W
R833	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R834	1-216-073-00	RES-CHIP	10K	5%	1/10W
R835	1-216-025-11	RES-CHIP	100	5%	1/10W
R841	1-801-726-11	THERMISTOR, POSITIVE			
R842	1-216-073-00	RES-CHIP	10K	5%	1/10W
R843	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R844	1-216-073-00	RES-CHIP	10K	5%	1/10W
R845	1-216-025-11	RES-CHIP	100	5%	1/10W
R851	1-216-295-00	SHORT CHIP	0		
R861	1-216-049-11	RES-CHIP	1K	5%	1/10W
R862	1-216-049-11	RES-CHIP	1K	5%	1/10W
R863	1-216-049-11	RES-CHIP	1K	5%	1/10W
R864	1-216-049-11	RES-CHIP	1K	5%	1/10W
R865	1-216-049-11	RES-CHIP	1K	5%	1/10W
R881	1-216-025-11	RES-CHIP	100	5%	1/10W
R882	1-216-025-11	RES-CHIP	100	5%	1/10W
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		CONNECTOR L BOARD			
		**********			
		< CONNECTOR >			
CNP1206	1-784-038-21	CONNECTOR, BOARD TO BOARD 9P			
CNP1207	1-784-038-21	CONNECTOR, BOARD TO BOARD 9P			
**********					
		CONNECTOR R BOARD			
		**********			
		< CONNECTOR >			
CNP1201	1-573-844-11	CONNECTOR, BOARD TO BOARD 12P			
CNP1202	1-573-844-11	CONNECTOR, BOARD TO BOARD 12P			
**********					
		DC-DC-HDMI BOARD			
		**********			
	4-974-510-11	SCREW (+BV 3X8 CU)			
		< CAPACITOR >			
C7016	1-128-950-21	ELECT	1000uF	20%	16V
C7017	1-135-798-11	CERAMIC	0.22uF		50V
C7018	1-128-957-31	ELECT	220uF	20%	35V
		< CONNECTOR >			
CN7020	1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P			
CN7052	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
		< DIODE >			
D7012	8-719-301-45	DIODE RK14			
		< IC >			
IC7005	8-759-659-28	IC SI-8033S			

Ref. No.	Part No.	Description			Remark
		< COIL >			
L7011	1-456-545-11	COIL, CHOKE	100uH		
		< TRANSISTOR >			
Q7019	8-729-029-86	TRANSISTOR	DTC124ESA		
		< RESISTOR >			
R7020	1-249-413-11	CARBON	470	5%	1/4W
R7022	1-249-407-11	CARBON	150	5%	1/4W
R7024	1-249-407-11	CARBON	150	5%	1/4W
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	A-1221-151-A	DCDC-1 BOARD, COMPLETE			
		**********			
	4-974-510-11	SCREW (+BV 3X8 CU)			
		< CAPACITOR >			
C1406	1-128-950-21	ELECT	1000uF	20%	16V
C1407	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1412	1-128-950-21	ELECT	1000uF	20%	16V
C1413	1-115-871-11	ELECT	1uF	20%	50V
C1427	1-128-549-11	ELECT	3300uF	20%	35V
C1429	1-100-924-21	ELECT	2200uF	20%	35V
C1430	1-128-549-11	ELECT	3300uF	20%	35V
		< CONNECTOR >			
CN1410	1-691-769-11	PLUG (MICRO CONNECTOR) 7P			
CNP1451	1-778-293-11	PLUG (MICRO CONNECTOR) 2P			
		< DIODE >			
D1402	8-719-059-21	DIODE RK46LF-T2			
D1404	8-719-301-45	DIODE RK14			
D1409	8-719-028-23	DIODE D3SBA20-4101			
		< FUSE HOLDER >			
FH1403	1-533-313-11	FUSE HOLDER			
FH1453	1-533-313-11	FUSE HOLDER			
		< IC >			
IC1403	8-759-474-09	IC SI-8050S-LF1101			
IC1404	6-701-021-01	IC SI-8120JF			
		< COIL >			
L1401	1-456-721-11	COIL, CHOKE	100uH		
L1402	1-456-545-11	COIL, CHOKE	100uH		
L1403	1-456-545-11	COIL, CHOKE	100uH		
L1404	1-456-545-11	COIL, CHOKE	100uH		
		< TRANSISTOR >			
Q1409	8-729-029-86	TRANSISTOR	DTC124ESA		
		< RESISTOR >			
R1402	1-249-409-11	CARBON	220	5%	1/4W
R1410	1-249-416-11	CARBON	820	5%	1/4W
R1414	1-249-415-11	CARBON	680	5%	1/4W
R1415	1-247-863-11	CARBON	22K	5%	1/4W
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Ref. No.	Part No.	Description			Remark
	A-1188-304-A	DIGITAL BOARD, COMPLETE (AEP, UK)			
	A-1188-327-A	DIGITAL BOARD, COMPLETE (US, CND)			
		**********			
	3-087-053-01	+BVTP2.6 (3CR)			
		< CAPACITOR >			
C2000	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C2001	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2002	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2003	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2004	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2005	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2006	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2007	1-110-392-11	ELECT	47uF	20%	63V
C2008	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2009	1-110-392-11	ELECT	47uF	20%	63V
C2010	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2015	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2016	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2017	1-114-264-91	ELECT	470uF	20%	16V
C2018	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2019	1-110-392-11	ELECT	47uF	20%	63V
C2022	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2023	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2024	1-110-390-11	ELECT	22uF	20%	63V
C2025	1-114-264-91	ELECT	470uF	20%	16V
C2026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2027	1-110-390-11	ELECT	22uF	20%	63V
C2028	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2029	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2030	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2033	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND)
C2034	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2035	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V
C2036	1-110-390-11	ELECT	22uF	20%	63V
C2037	1-110-390-11	ELECT	22uF	20%	63V
C2038	1-162-911-11	CERAMIC CHIP	6PF	0.5PF	50V
C2039	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2040	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2043	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2044	1-126-964-11	ELECT	10uF	20%	50V
C2045	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2046	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2047	1-114-264-91	ELECT	470uF	20%	16V
C2048	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2049	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2050	1-112-083-11	ELECT	100uF	20%	16V
C2052	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C2054	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2057	1-112-079-11	ELECT	220uF	20%	10V
C2059	1-112-097-11	ELECT	2.2uF	20%	50V
C2060	1-114-264-91	ELECT	470uF	20%	16V
C2067	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C2068	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2069	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2070	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

DIGITAL

Ref. No.	Part No.	Description			Remark
C2071	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2072	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2073	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2074	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2076	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2078	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C2079	1-126-947-11	ELECT	47uF	20%	35V
C2080	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2083	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2084	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2085	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2088	1-110-645-11	ELECT	10uF	20%	63V
C2089	1-110-645-11	ELECT	10uF	20%	63V
C2090	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2091	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2092	1-110-645-11	ELECT	10uF	20%	63V
C2093	1-110-645-11	ELECT	10uF	20%	63V
C2094	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2095	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2096	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2097	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2098	1-110-645-11	ELECT	10uF	20%	63V
C2099	1-112-099-11	ELECT	4.7uF	20%	50V
C2100	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2101	1-135-834-11	CERAMIC CHIP	2.2uF		6.3V
C2145	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2146	1-137-429-11	MYLAR	270PF	5%	50V
C2147	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2148	1-110-645-11	ELECT	10uF	20%	63V
C2149	1-110-645-11	ELECT	10uF	20%	63V
C2150	1-126-964-11	ELECT	10uF	20%	50V
C2151	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2152	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2153	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2154	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2155	1-110-645-11	ELECT	10uF	20%	63V
C2156	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2157	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2158	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2159	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2160	1-137-429-11	MYLAR	270PF	5%	50V
C2161	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2162	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2163	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2164	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2165	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2166	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2167	1-137-429-11	MYLAR	270PF	5%	50V
C2168	1-112-083-11	ELECT	100uF	20%	16V
C2169	1-112-083-11	ELECT	100uF	20%	16V
C2170	1-110-645-11	ELECT	10uF	20%	63V
C2171	1-112-083-11	ELECT	100uF	20%	16V
C2172	1-110-645-11	ELECT	10uF	20%	63V
C2173	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2174	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2175	1-137-429-11	MYLAR	270PF	5%	50V
C2181	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V

Ref. No.	Part No.	Description			Remark
C2182	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2183	1-137-429-11	MYLAR	270PF	5%	50V
C2200	1-110-645-11	ELECT	10uF	20%	63V
C2202	1-110-645-11	ELECT	10uF	20%	63V
C2203	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2204	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2205	1-137-429-11	MYLAR	270PF	5%	50V
C2206	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2207	1-137-429-11	MYLAR	270PF	5%	50V
C2208	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2209	1-110-645-11	ELECT	10uF	20%	63V
C2210	1-110-645-11	ELECT	10uF	20%	63V
C2211	1-110-390-11	ELECT	22uF	20%	63V
C2212	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2213	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2214	1-137-429-11	MYLAR	270PF	5%	50V
C2215	1-110-390-11	ELECT	22uF	20%	63V
C2216	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2218	1-126-964-11	ELECT	10uF	20%	50V
C2219	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2220	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2221	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2222	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C2223	1-126-947-11	ELECT	47uF	20%	35V
C2225	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2226	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2227	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2228	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2229	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2230	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2231	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2232	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2233	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2234	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2235	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2236	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2238	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK)
C2239	1-112-080-11	ELECT	470uF	20%	10V (AEP, UK)
C2240	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2241	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2242	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2243	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2244	1-114-264-91	ELECT	470uF	20%	16V
C2245	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2248	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2249	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2250	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2251	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2252	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2254	1-126-935-11	ELECT	470uF	20%	16V
C2255	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2256	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2257	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2264	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2265	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2266	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

Ref. No.	Part No.	Description			Remark
C2267	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2268	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2269	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2270	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2271	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2272	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2273	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2274	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2275	1-126-933-11	ELECT	100uF	20%	16V
C2276	1-126-964-11	ELECT	10uF	20%	50V
C2277	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2278	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2279	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2280	1-126-960-11	ELECT	1uF	20%	50V
C2283	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2284	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2285	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2286	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2287	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2290	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2291	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C2292	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2293	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2401	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2421	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2431	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C2432	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2433	1-109-994-11	CERAMIC CHIP	2.2uF	10%	10V
		< CONNECTOR >			
CN2002	1-568-830-11	CONNECTOR, FFC 11P (US, CND)			
CN2002	1-784-776-11	CONNECTOR, FFC 15P (AEP, UK)			
CN2003	1-820-354-11	PIN, CONNECTOR (PC BOARD) 11P			
CN2004	1-785-910-21	CONNECTOR, BOARD TO BOARD 50P			
CN2006	1-784-923-11	PIN, CONNECTOR 7P			
CN2008	1-784-930-11	PIN, CONNECTOR 15P			
CN2009	1-794-005-11	CONNECTOR 19P			
CN2011	1-794-004-11	CONNECTOR 17P			
CN2012	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
CN2014	1-794-006-21	CONNECTOR 20P			
CN2015	1-784-922-11	PIN, CONNECTOR 5P			
CN2016	1-794-005-11	CONNECTOR 19P			
CN2018	1-784-924-11	PIN, CONNECTOR 8P			
CN2020	1-820-361-11	PIN, CONNECTOR (PC BOARD) 20P			
CN2021	1-691-770-11	PLUG (MICRO CONNECTOR) 8P			
CN2030	1-784-925-11	PIN, CONNECTOR 10P			
		< DIODE >			
D2001	8-719-053-18	DIODE	1SR154-400TE-25		
D2002	6-501-193-01	DIODE	1SS355WTE-17		
D2003	6-501-193-01	DIODE	1SS355WTE-17		
D2004	8-719-075-97	DIODE	1SS385F (TPL3)		
D2008	8-719-066-98	DIODE	RB051L-40TE25		
D2040	6-500-701-01	DIODE	PGB1010603NR		

Ref. No.	Part No.	Description	Remark
		< FERRITE BEAD/JUMPER RESISTOR >	
FB2001	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2003	1-469-152-11	FERRITE, EMI (SMD) (2012) (AEP, UK)	
FB2004	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2005	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2006	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2008	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2017	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2018	1-216-295-00	SHORT CHIP 0	
FB2019	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2020	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2022	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2023	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2024	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2028	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2029	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2031	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2032	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2033	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2034	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2035	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2036	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2037	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2039	1-216-295-00	SHORT CHIP 0	
FB2040	1-216-295-00	SHORT CHIP 0	
FB2041	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2042	1-216-295-00	SHORT CHIP 0	
FB2092	1-216-295-00	SHORT CHIP 0	
FB2093	1-216-295-00	SHORT CHIP 0	
		< IC >	
IC2001	6-600-466-01	IC TORX147L (SONY)	(DIGITAL OPTICAL VIDEO 1 IN)
IC2002	6-600-466-01	IC TORX147L (SONY)	(DIGITAL OPTICAL VIDEO 2 IN)
IC2003	6-600-466-01	IC TORX147L (SONY)	(DIGITAL OPTICAL TV/SAT IN)
IC2004	6-600-461-11	IC TOTX147L (R)	(DIGITAL OPTICAL MD/DAT IN)
IC2005	6-600-466-01	IC TORX147L (SONY)	(DIGITAL OPTICAL MD/DAT OUT)
IC2006	6-708-025-01	IC LC89057W-VF4A-E	
IC2007	8-759-233-64	IC TC74HCU04AF	
IC2008	8-759-058-62	IC TC7S08FU (TE85R)	
IC2009	8-759-236-19	IC TC74HC151AF (EL)	
IC2010	8-759-710-97	IC NJM4565M-D	
IC2012	8-759-268-29	IC SN74HC595ANS	
IC2015	6-706-478-01	IC TC7SET08FU (T5RSOJF)	
IC2016	6-706-478-01	IC TC7SET08FU (T5RSOJF)	
IC2017	8-759-524-48	IC TC74VHC393FT (EL)	
IC2018	6-707-870-01	IC TC74VHC157FT (EKJ)	
IC2019	6-707-870-01	IC TC74VHC157FT (EKJ)	
IC2022	8-759-447-77	IC TC7WH74FU (TE12R)	
IC2024	6-701-834-01	IC PCM1802DBR	
IC2034	6-703-787-01	IC PCM1609KPTR	
IC2035	6-707-863-01	IC TC74VHC08FT (EKJ)	
IC2036	8-759-447-77	IC TC7WH74FU (TE12R)	
IC2037	8-759-710-97	IC NJM4565M-D	

DIGITAL

Ref. No.	Part No.	Description	Remark
IC2040	8-759-710-97	IC NJM4565M-D	
IC2042	8-759-710-97	IC NJM4565M-D	
IC2043	8-759-710-97	IC NJM4565M-D	
IC2044	8-759-268-29	IC SN74HC595ANS	
IC2046	8-759-238-47	IC TC74HCT7007AF (EL)	
IC2050	6-705-468-01	IC BA33BC0FP-E2 (AEP, UK)	
IC2051	6-702-913-01	IC S-80929CNMC-G8ZT2G	
IC2052	8-759-473-41	IC BA10T	
IC2053	6-705-468-01	IC BA33BC0FP-E2	
IC2054	6-806-639-02	IC MB91F355APMT-06A3ESMAINX105	(AEP, UK)
IC2054	6-806-974-02	IC MB91F355APMT-06A3ESUMAIN107	(US, CND)
IC2055	6-704-005-01	IC BR24L32F-WE2	
IC2056	8-759-277-63	IC TC7W14FU (TE12R)	
IC2057	8-759-058-62	IC TC7S08FU (TE85R)	
IC2058	6-706-487-01	IC TC7SH08FU (T5RSOYJF)	
IC2059	6-706-478-01	IC TC7SET08FU (T5RSOJF)	
IC2063	8-759-058-62	IC TC7S08FU (TE85R)	
IC2420	6-700-596-01	IC TC74LVX4053FT (EL)	
IC2421	6-707-865-01	IC TC74VHC125FT (EKJ)	
		< JACK >	
J2001	1-820-614-21	JACK, PIN 3P (DIGITAL COAXIAL DVD IN, TAPE/CD-R IN, SA-CD/CD IN)	
		< COIL >	
L2001	1-410-737-31	INDUCTOR 0.47uH	
L2002	1-410-737-31	INDUCTOR 0.47uH	
		< TRANSISTOR >	
Q2002	8-729-027-59	TRANSISTOR DTC144EKA-T146	
Q2004	8-729-027-59	TRANSISTOR DTC144EKA-T146	
Q2005	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L	
Q2006	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q2007	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L	
Q2435	8-729-027-43	TRANSISTOR DTC114EKA-T146	
		< RESISTOR >	
R2001	1-208-755-11	METAL CHIP 75 0.5% 1/10W	
R2002	1-208-755-11	METAL CHIP 75 0.5% 1/10W	
R2003	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2004	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2005	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2006	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2007	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2008	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2009	1-208-774-11	METAL CHIP 470 0.5% 1/10W	
R2010	1-208-774-11	METAL CHIP 470 0.5% 1/10W	
R2011	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2012	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2013	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2014	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2016	1-208-550-41	RES-CHIP 470K 2% 1/10W	
R2017	1-208-550-41	RES-CHIP 470K 2% 1/10W	
R2018	1-216-805-11	METAL CHIP 47 5% 1/10W	
R2019	1-208-526-41	RES-CHIP 47K 2% 1/10W	

Ref. No.	Part No.	Description			Remark
R2020	1-208-526-41	RES-CHIP	47K	2%	1/10W
R2021	1-216-809-11	METAL CHIP	100	5%	1/10W
R2022	1-216-809-11	METAL CHIP	100	5%	1/10W
R2023	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2024	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2025	1-216-809-11	METAL CHIP	100	5%	1/10W
R2026	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2027	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2028	1-216-809-11	METAL CHIP	100	5%	1/10W
R2029	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2030	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP, UK)
R2031	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2032	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2033	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2034	1-216-809-11	METAL CHIP	100	5%	1/10W
R2035	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP, UK)
R2036	1-216-813-11	METAL CHIP	220	5%	1/10W
R2037	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP, UK)
R2038	1-216-809-11	METAL CHIP	100	5%	1/10W
R2039	1-216-809-11	METAL CHIP	100	5%	1/10W
R2040	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2043	1-216-809-11	METAL CHIP	100	5%	1/10W
R2044	1-216-809-11	METAL CHIP	100	5%	1/10W
R2045	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2046	1-216-809-11	METAL CHIP	100	5%	1/10W
R2047	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2048	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2050	1-216-809-11	METAL CHIP	100	5%	1/10W
R2051	1-216-809-11	METAL CHIP	100	5%	1/10W
R2053	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R2054	1-216-809-11	METAL CHIP	100	5%	1/10W
R2055	1-216-813-11	METAL CHIP	220	5%	1/10W
R2057	1-216-687-11	METAL CHIP	33K	0.5%	1/10W
R2058	1-216-603-11	METAL CHIP	10	0.5%	1/10W
R2059	1-216-809-11	METAL CHIP	100	5%	1/10W
R2061	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2062	1-216-809-11	METAL CHIP	100	5%	1/10W
R2064	1-216-817-11	METAL CHIP	470	5%	1/10W
R2065	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2068	1-216-813-11	METAL CHIP	220	5%	1/10W
R2069	1-216-813-11	METAL CHIP	220	5%	1/10W
R2074	1-216-809-11	METAL CHIP	100	5%	1/10W
R2075	1-216-805-11	METAL CHIP	47	5%	1/10W
R2077	1-216-805-11	METAL CHIP	47	5%	1/10W
R2078	1-216-805-11	METAL CHIP	47	5%	1/10W
R2079	1-216-809-11	METAL CHIP	100	5%	1/10W
R2080	1-216-805-11	METAL CHIP	47	5%	1/10W
R2081	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2082	1-216-809-11	METAL CHIP	100	5%	1/10W
R2084	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2086	1-216-809-11	METAL CHIP	100	5%	1/10W
R2087	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2090	1-216-809-11	METAL CHIP	100	5%	1/10W
R2094	1-216-809-11	METAL CHIP	100	5%	1/10W
R2096	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2097	1-216-864-11	SHORT CHIP	0		
R2100	1-216-809-11	METAL CHIP	100	5%	1/10W
R2102	1-216-809-11	METAL CHIP	100	5%	1/10W
R2103	1-216-809-11	METAL CHIP	100	5%	1/10W
R2104	1-216-809-11	METAL CHIP	100	5%	1/10W
R2105	1-216-809-11	METAL CHIP	100	5%	1/10W
R2106	1-216-809-11	METAL CHIP	100	5%	1/10W
R2107	1-216-809-11	METAL CHIP	100	5%	1/10W
R2108	1-216-805-11	METAL CHIP	47	5%	1/10W
R2109	1-216-809-11	METAL CHIP	100	5%	1/10W
R2111	1-216-809-11	METAL CHIP	100	5%	1/10W
R2112	1-216-809-11	METAL CHIP	100	5%	1/10W
R2116	1-216-809-11	METAL CHIP	100	5%	1/10W
R2120	1-216-809-11	METAL CHIP	100	5%	1/10W
R2121	1-216-809-11	METAL CHIP	100	5%	1/10W
R2122	1-216-805-11	METAL CHIP	47	5%	1/10W
R2123	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2124	1-216-809-11	METAL CHIP	100	5%	1/10W
R2125	1-216-809-11	METAL CHIP	100	5%	1/10W
R2185	1-216-809-11	METAL CHIP	100	5%	1/10W
R2186	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2187	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2188	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2190	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2192	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2194	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2195	1-216-809-11	METAL CHIP	100	5%	1/10W
R2196	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2198	1-216-805-11	METAL CHIP	47	5%	1/10W
R2199	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2200	1-216-809-11	METAL CHIP	100	5%	1/10W
R2201	1-216-809-11	METAL CHIP	100	5%	1/10W
R2202	1-216-809-11	METAL CHIP	100	5%	1/10W
R2203	1-216-809-11	METAL CHIP	100	5%	1/10W
R2204	1-216-809-11	METAL CHIP	100	5%	1/10W
R2205	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2206	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2207	1-216-809-11	METAL CHIP	100	5%	1/10W
R2208	1-216-809-11	METAL CHIP	100	5%	1/10W
R2209	1-216-809-11	METAL CHIP	100	5%	1/10W
R2211	1-216-809-11	METAL CHIP	100	5%	1/10W
R2212	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2213	1-216-809-11	METAL CHIP	100	5%	1/10W
R2214	1-216-809-11	METAL CHIP	100	5%	1/10W
R2215	1-216-809-11	METAL CHIP	100	5%	1/10W
R2216	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2217	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2220	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2223	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2224	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2225	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2226	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2227	1-216-809-11	METAL CHIP	100	5%	1/10W
R2228	1-216-809-11	METAL CHIP	100	5%	1/10W
R2229	1-216-809-11	METAL CHIP	100	5%	1/10W
R2230	1-216-809-11	METAL CHIP	100	5%	1/10W
R2231	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2232	1-216-809-11	METAL CHIP	100	5%	1/10W
R2233	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2234	1-216-809-11	METAL CHIP	100	5%	1/10W
R2235	1-216-809-11	METAL CHIP	100	5%	1/10W
R2249	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2251	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2253	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2254	1-216-809-11	METAL CHIP	100	5%	1/10W
R2255	1-216-809-11	METAL CHIP	100	5%	1/10W
R2256	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2257	1-216-809-11	METAL CHIP	100	5%	1/10W
R2261	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2262	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2263	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2264	1-216-809-11	METAL CHIP	100	5%	1/10W
R2265	1-216-809-11	METAL CHIP	100	5%	1/10W
R2268	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2269	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2270	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2271	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2272	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2273	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2274	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2275	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2276	1-216-809-11	METAL CHIP	100	5%	1/10W
R2279	1-216-809-11	METAL CHIP	100	5%	1/10W
R2280	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2281	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2282	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2287	1-216-809-11	METAL CHIP	100	5%	1/10W
R2288	1-216-809-11	METAL CHIP	100	5%	1/10W
R2289	1-216-809-11	METAL CHIP	100	5%	1/10W
R2290	1-216-809-11	METAL CHIP	100	5%	1/10W
R2292	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2294	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2295	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2296	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2297	1-216-809-11	METAL CHIP	100	5%	1/10W
R2298	1-216-809-11	METAL CHIP	100	5%	1/10W
R2299	1-216-809-11	METAL CHIP	100	5%	1/10W
R2300	1-216-809-11	METAL CHIP	100	5%	1/10W
R2301	1-216-809-11	METAL CHIP	100	5%	1/10W
R2302	1-216-809-11	METAL CHIP	100	5%	1/10W
R2303	1-216-809-11	METAL CHIP	100	5%	1/10W
R2304	1-216-809-11	METAL CHIP	100	5%	1/10W
R2305	1-216-809-11	METAL CHIP	100	5%	1/10W
R2306	1-216-809-11	METAL CHIP	100	5%	1/10W
R2307	1-216-809-11	METAL CHIP	100	5%	1/10W
R2308	1-216-809-11	METAL CHIP	100	5%	1/10W
R2309	1-216-809-11	METAL CHIP	100	5%	1/10W
R2310	1-216-809-11	METAL CHIP	100	5%	1/10W
R2311	1-216-809-11	METAL CHIP	100	5%	1/10W
R2312	1-216-809-11	METAL CHIP	100	5%	1/10W
R2313	1-216-809-11	METAL CHIP	100	5%	1/10W
R2314	1-216-809-11	METAL CHIP	100	5%	1/10W
R2315	1-216-809-11	METAL CHIP	100	5%	1/10W
R2316	1-216-809-11	METAL CHIP	100	5%	1/10W
R2317	1-216-833-11	METAL CHIP	10K	5%	1/10W

DIGITAL

Ref. No.	Part No.	Description			Remark
					(US, CND)
R2318	1-216-864-11	SHORT CHIP	0 (AEP, UK)		
R2319	1-216-809-11	METAL CHIP	100	5%	1/10W
R2320	1-216-809-11	METAL CHIP	100	5%	1/10W
R2321	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2322	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2323	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2324	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2325	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2326	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2327	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2328	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2329	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2330	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2331	1-216-833-11	METAL CHIP	10K	5%	1/10W
					(US, CND)
R2332	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2333	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2334	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2335	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2336	1-216-809-11	METAL CHIP	100	5%	1/10W
R2337	1-216-809-11	METAL CHIP	100	5%	1/10W
R2338	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2339	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2342	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2343	1-216-809-11	METAL CHIP	100	5%	1/10W
R2344	1-216-809-11	METAL CHIP	100	5%	1/10W
R2345	1-216-809-11	METAL CHIP	100	5%	1/10W
R2346	1-216-809-11	METAL CHIP	100	5%	1/10W
R2347	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2348	1-216-809-11	METAL CHIP	100	5%	1/10W
R2349	1-216-833-11	METAL CHIP	10K	5%	1/10W
					(US, CND)
R2350	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2351	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2354	1-216-809-11	METAL CHIP	100	5%	1/10W
R2355	1-216-809-11	METAL CHIP	100	5%	1/10W
R2356	1-216-809-11	METAL CHIP	100	5%	1/10W
R2357	1-216-809-11	METAL CHIP	100	5%	1/10W
R2358	1-216-809-11	METAL CHIP	100	5%	1/10W
R2359	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2360	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2361	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2362	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2363	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2364	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2365	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2366	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2367	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2369	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2379	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2380	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2381	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2382	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2383	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2384	1-216-809-11	METAL CHIP	100	5%	1/10W
R2385	1-216-809-11	METAL CHIP	100	5%	1/10W
R2386	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2387	1-216-809-11	METAL CHIP	100	5%	1/10W
R2388	1-216-809-11	METAL CHIP	100	5%	1/10W
R2389	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2390	1-216-815-11	METAL CHIP	330	5%	1/10W
R2391	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2392	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2393	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2394	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2395	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2396	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2397	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2398	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2399	1-216-809-11	METAL CHIP	100	5%	1/10W
R2400	1-216-809-11	METAL CHIP	100	5%	1/10W
R2402	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2403	1-216-809-11	METAL CHIP	100	5%	1/10W
R2404	1-216-809-11	METAL CHIP	100	5%	1/10W
R2405	1-216-809-11	METAL CHIP	100	5%	1/10W
R2406	1-216-809-11	METAL CHIP	100	5%	1/10W
R2407	1-216-809-11	METAL CHIP	100	5%	1/10W
R2408	1-216-809-11	METAL CHIP	100	5%	1/10W
R2409	1-216-809-11	METAL CHIP	100	5%	1/10W
R2410	1-216-809-11	METAL CHIP	100	5%	1/10W
R2411	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2412	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R2413	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R2414	1-208-550-41	RES-CHIP	470K	2%	1/10W
R2415	1-208-526-41	RES-CHIP	47K	2%	1/10W
R2416	1-216-809-11	METAL CHIP	100	5%	1/10W
R2417	1-216-809-11	METAL CHIP	100	5%	1/10W
R2418	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2421	1-216-809-11	METAL CHIP	100	5%	1/10W
R2422	1-216-809-11	METAL CHIP	100	5%	1/10W
R2423	1-216-809-11	METAL CHIP	100	5%	1/10W
R2424	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2425	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2426	1-216-864-11	SHORT CHIP	0		
R2427	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2428	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2429	1-216-809-11	METAL CHIP	100	5%	1/10W
R2430	1-216-809-11	METAL CHIP	100	5%	1/10W
R2431	1-216-809-11	METAL CHIP	100	5%	1/10W
R2432	1-216-809-11	METAL CHIP	100	5%	1/10W
R2433	1-216-809-11	METAL CHIP	100	5%	1/10W
R2434	1-216-809-11	METAL CHIP	100	5%	1/10W
R2435	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2436	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2437	1-216-809-11	METAL CHIP	100	5%	1/10W
R2438	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2439	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2440	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2441	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2442	1-216-817-11	METAL CHIP	470	5%	1/10W
R2443	1-216-809-11	METAL CHIP	100	5%	1/10W
R2445	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2446	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2447	1-216-017-00	RES-CHIP	47	5%	1/10W

Ref. No.	Part No.	Description			Remark
		< VIBRATOR >			
X2001	1-795-219-21	VIBRATOR, CRYSTAL (24.576MHz)			
X2004	1-781-893-21	VIBRATOR, CERAMIC (CHIP TYPE) (12.5MHz)			
**********					
	A-1194-647-A	DISPLAY BOARD, COMPLETE			
		**********			
	2-389-320-01	CUSHION			
		< CAPACITOR >			
C701	1-104-957-11	ELECT	47uF	20%	25V
C704	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C706	1-104-957-11	ELECT	47uF	20%	25V
C707	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C708	1-126-795-11	ELECT	10uF	20%	50V
C712	1-165-733-31	ELECT	100uF	20%	25V
C713	1-107-378-11	MYLAR	0.0039uF	5%	200V
C714	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C715	1-137-807-31	ELECT	100uF	20%	50V
C716	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C718	1-104-957-11	ELECT	47uF	20%	25V
C719	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C721	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C722	1-126-795-11	ELECT	10uF	20%	50V
C723	1-126-795-11	ELECT	10uF	20%	50V
C724	1-104-957-11	ELECT	47uF	20%	25V
C725	1-104-957-11	ELECT	47uF	20%	25V
C726	1-104-957-11	ELECT	47uF	20%	25V
C727	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C728	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C729	1-126-795-11	ELECT	10uF	20%	50V
C730	1-126-795-11	ELECT	10uF	20%	50V
C731	1-126-795-11	ELECT	10uF	20%	50V
C732	1-126-795-11	ELECT	10uF	20%	50V
C733	1-107-925-11	ELECT	1uF	20%	100V
C734	1-104-957-11	ELECT	47uF	20%	25V
C735	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C737	1-126-795-11	ELECT	10uF	20%	50V
C739	1-126-795-11	ELECT	10uF	20%	50V
C740	1-126-795-11	ELECT	10uF	20%	50V
C741	1-126-795-11	ELECT	10uF	20%	50V
C742	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C743	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C744	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C745	1-126-795-11	ELECT	10uF	20%	50V
C746	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C747	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C748	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C749	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C750	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C751	1-165-319-11	CERAMIC CHIP	0.1uF		50V
		< CONNECTOR >			
CN701	1-794-005-11	CONNECTOR 19P			
CN702	1-794-006-11	CONNECTOR 20P			
* CN704	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P			
* CN706	1-564-724-11	PIN, CONNECTOR (SMALL TYPE) 8P			

Ref. No.	Part No.	Description			Remark
		< DIODE >			
D701	8-719-056-11	LED SML72423C-TP15 (ON/STANDBY)			
D702	8-719-075-59	LED SELS5B23C-TP15 (Digital Cinema Sound)			
D703	6-501-539-01	LED SELK5E20C-DTP15 (MULTI CHANNEL DECODING)			
D704	8-719-041-97	DIODE MA113- (TX)			
D705	8-719-041-97	DIODE MA113- (TX)			
D706	8-719-041-97	DIODE MA113- (TX)			
D707	8-719-041-97	DIODE MA113- (TX)			
D708	8-719-978-33	DIODE DTZ-TT11-6.8B			
D709	8-719-988-61	DIODE 1SS355TE-17			
D710	8-719-988-61	DIODE 1SS355TE-17			
		< FERRITE BEAD >			
FB701	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB702	1-469-152-11	FERRITE, EMI (SMD) (2012)			
		< IC >			
IC701	6-600-349-31	IC NJL24H400A			
IC702	6-705-468-01	IC BA33BC0FP-E2			
IC703	8-759-825-56	IC NJM2173AV (TE2)			
		< JUMPER RESISTOR >			
JW753	1-216-296-11	SHORT CHIP	0		
		< COIL >			
L701	1-421-967-11	COIL, CHOKE	100uH		
		< FLUORESCENT INDICATOR TUBE >			
ND701	1-519-863-11	INDICATOR TUBE, FLUORESCENT			
		< TRANSISTOR >			
Q701	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q702	8-729-901-00	TRANSISTOR	DTC124EK		
Q703	8-729-901-00	TRANSISTOR	DTC124EK		
Q704	8-729-901-00	TRANSISTOR	DTC124EK		
Q705	8-729-808-42	TRANSISTOR	2SD1624-T		
Q706	8-729-808-42	TRANSISTOR	2SD1624-T		
Q707	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q708	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q709	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q710	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q711	8-729-216-22	TRANSISTOR	2SA1162-G		
		< RESISTOR >			
R701	1-216-037-00	RES-CHIP	330	5%	1/10W
R703	1-216-295-00	SHORT CHIP	0		
R705	1-216-295-00	SHORT CHIP	0		
R706	1-216-001-00	RES-CHIP	10	5%	1/10W
⚠R707	1-249-385-11	CARBON	2.2	5%	1/4W F
⚠R708	1-249-385-11	CARBON	2.2	5%	1/4W F
R709	1-216-025-11	RES-CHIP	100	5%	1/10W
R710	1-216-025-11	RES-CHIP	100	5%	1/10W
R711	1-216-025-11	RES-CHIP	100	5%	1/10W
R712	1-216-025-11	RES-CHIP	100	5%	1/10W

DISPLAY **DSP**

Ref. No.	Part No.	Description			Remark
R713	1-216-025-11	RES-CHIP	100	5%	1/10W
R714	1-216-025-11	RES-CHIP	100	5%	1/10W
R715	1-216-025-11	RES-CHIP	100	5%	1/10W
R716	1-216-025-11	RES-CHIP	100	5%	1/10W
R717	1-216-025-11	RES-CHIP	100	5%	1/10W
R718	1-216-025-11	RES-CHIP	100	5%	1/10W
R719	1-216-037-00	RES-CHIP	330	5%	1/10W
R720	1-216-037-00	RES-CHIP	330	5%	1/10W
R721	1-216-022-00	RES-CHIP	75	5%	1/10W
R723	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R724	1-216-049-11	RES-CHIP	1K	5%	1/10W
R725	1-216-081-00	RES-CHIP	22K	5%	1/10W
R726	1-216-073-00	RES-CHIP	10K	5%	1/10W
R727	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R728	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R729	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R730	1-216-049-11	RES-CHIP	1K	5%	1/10W
R731	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R733	1-216-049-11	RES-CHIP	1K	5%	1/10W
R734	1-216-083-00	RES-CHIP	27K	5%	1/10W
R735	1-216-049-11	RES-CHIP	1K	5%	1/10W
R736	1-216-049-11	RES-CHIP	1K	5%	1/10W
R737	1-216-833-11	METAL CHIP	10K	5%	1/10W
R738	1-216-833-11	METAL CHIP	10K	5%	1/10W
R740	1-216-833-11	METAL CHIP	10K	5%	1/10W
R741	1-216-833-11	METAL CHIP	10K	5%	1/10W
R743	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R744	1-216-821-11	METAL CHIP	1K	5%	1/10W
R745	1-216-849-11	METAL CHIP	220K	5%	1/10W
R746	1-216-843-11	METAL CHIP	68K	5%	1/10W
R748	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R749	1-216-821-11	METAL CHIP	1K	5%	1/10W
R750	1-216-849-11	METAL CHIP	220K	5%	1/10W
R751	1-216-843-11	METAL CHIP	68K	5%	1/10W
R752	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R753	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R754	1-216-821-11	METAL CHIP	1K	5%	1/10W
R755	1-216-821-11	METAL CHIP	1K	5%	1/10W
R757	1-216-025-11	RES-CHIP	100	5%	1/10W
R758	1-216-041-00	RES-CHIP	470	5%	1/10W
R759	1-216-073-00	RES-CHIP	10K	5%	1/10W
R772	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
		< SWITCH/ROTARY ENCODER >			
S701	1-771-349-21	SWITCH, KEYBOARD (MUSIC)			
S702	1-771-349-21	SWITCH, KEYBOARD (MOVIE)			
S703	1-771-349-21	SWITCH, KEYBOARD (A.F.D.)			
S704	1-771-349-21	SWITCH, KEYBOARD (2CH)			
S705	1-771-349-21	SWITCH, KEYBOARD (CATEGORY +) (US, CND)			
S705	1-771-349-21	SWITCH, KEYBOARD (SUR BACK DECODING) (AEP, UK)			
S706	1-771-349-21	SWITCH, KEYBOARD (CATEGORY –) (US, CND)			
S706	1-771-349-21	SWITCH, KEYBOARD (SLEEP) (AEP, UK)			
S707	1-771-349-21	SWITCH, KEYBOARD (CATEGORY MODE) (US, CND)			
S707	1-771-349-21	SWITCH, KEYBOARD (DIMMER) (AEP, UK)			
S708	1-771-349-21	SWITCH, KEYBOARD (MEMORY/ENTER)			
S709	1-771-349-21	SWITCH, KEYBOARD (TUNING MODE)			
S710	1-771-349-21	SWITCH, KEYBOARD (TONE MODE)			
S711	1-771-349-21	SWITCH, KEYBOARD (ZONE SELECT)			
S712	1-771-349-21	SWITCH, KEYBOARD (ZONE POWER)			
S713	1-418-400-11	ENCODER, ROTARY (TONE)			
S714	1-418-400-11	ENCODER, ROTARY (TUNING)			
S715	1-418-400-11	ENCODER, ROTARY (INPUT SELECTOR)			
		< TRANSFORMER >			
T701	1-445-015-11	TRANSFORMER, DC-DC CONVERTER			
**********					
	A-1182-351-A	DSP BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C1	1-100-635-21	ELECT CHIP	82uF	20%	4V
C3	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C7	1-165-628-21	ELECT CHIP	100uF	20%	2V
C8	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C9	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C10	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C11	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C12	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C19	1-117-370-11	CERAMIC CHIP	10uF		10V
C23	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C24	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C25	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C26	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C28	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C29	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C30	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C32	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C33	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C34	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C35	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C36	1-117-370-11	CERAMIC CHIP	10uF		10V
C39	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C40	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C42	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C43	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C45	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C46	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C49	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C50	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C52	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C55	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C57	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C59	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C61	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C62	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C63	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C64	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C66	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C67	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C70	1-117-370-11	CERAMIC CHIP	10uF		10V
C71	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
C73	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C74	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C75	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C76	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C77	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C78	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C79	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C80	1-100-635-21	ELECT CHIP	82uF	20%	4V
C81	1-165-628-21	ELECT CHIP	100uF	20%	2V
C85	1-117-370-11	CERAMIC CHIP	10uF		10V
C88	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C89	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C90	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C91	1-117-370-11	CERAMIC CHIP	10uF		10V
C92	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C93	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C94	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C95	1-117-370-11	CERAMIC CHIP	10uF		10V
C96	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C97	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN1	1-815-136-21	CONNECTOR, BOARD TO BOARD			
CN2	1-770-160-21	PIN, CONNECTOR (PC BOARD) 2P			
		< FERRITE BEAD >			
FB1	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB2	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB3	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB4	1-469-324-21	FERRITE, EMI (SMD) (2012)			
		< IC >			
IC1	6-705-308-01	IC SI-3010KM-TL			
IC2	6-706-764-01	IC ADSP21266SKSTZ-2C			
IC3	6-806-960-01	IC SST25VF04-06STRES-BRONZE			
IC4	8-759-680-48	IC TC7WH157FK (TE85R)			
IC5	8-759-831-52	IC TC7WH125FK (TE85R)			
IC6	6-701-373-01	IC MC74LCX16373DTR2			
IC7	6-704-832-01	IC IS61LV6416-10TLT			
		< RESISTOR >			
R1	1-243-227-91	RES-CHIP	0.33	1%	1/8W
R2	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3	1-243-227-91	RES-CHIP	0.33	1%	1/8W
R5	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9	1-216-833-11	METAL CHIP	10K	5%	1/10W
R12	1-216-833-11	METAL CHIP	10K	5%	1/10W
R13	1-216-864-11	SHORT CHIP	0		
R14	1-218-854-11	METAL CHIP	2K	0.5%	1/10W
R15	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R16	1-216-864-11	SHORT CHIP	0		
R17	1-216-864-11	SHORT CHIP	0		
R18	1-216-864-11	SHORT CHIP	0		
R20	1-216-864-11	SHORT CHIP	0		
R21	1-216-833-11	METAL CHIP	10K	5%	1/10W
R23	1-216-817-11	METAL CHIP	470	5%	1/10W
R24	1-216-821-11	METAL CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R25	1-216-864-11	SHORT CHIP	0		
R26	1-216-801-11	METAL CHIP	22	5%	1/10W
R27	1-216-801-11	METAL CHIP	22	5%	1/10W
R28	1-216-801-11	METAL CHIP	22	5%	1/10W
R29	1-216-801-11	METAL CHIP	22	5%	1/10W
R30	1-216-801-11	METAL CHIP	22	5%	1/10W
R31	1-216-833-11	METAL CHIP	10K	5%	1/10W
R32	1-216-833-11	METAL CHIP	10K	5%	1/10W
R33	1-216-833-11	METAL CHIP	10K	5%	1/10W
R34	1-216-833-11	METAL CHIP	10K	5%	1/10W
R35	1-216-857-11	METAL CHIP	1M	5%	1/10W
R36	1-216-797-11	METAL CHIP	10	5%	1/10W
R38	1-216-833-11	METAL CHIP	10K	5%	1/10W
R41	1-216-833-11	METAL CHIP	10K	5%	1/10W
R43	1-216-833-11	METAL CHIP	10K	5%	1/10W
R45	1-216-833-11	METAL CHIP	10K	5%	1/10W
R46	1-216-801-11	METAL CHIP	22	5%	1/10W
R47	1-216-864-11	SHORT CHIP	0		
R48	1-216-864-11	SHORT CHIP	0		
R49	1-216-864-11	SHORT CHIP	0		
R50	1-216-864-11	SHORT CHIP	0		
R51	1-216-864-11	SHORT CHIP	0		
R52	1-216-864-11	SHORT CHIP	0		
R53	1-216-801-11	METAL CHIP	22	5%	1/10W
R54	1-216-801-11	METAL CHIP	22	5%	1/10W
R55	1-216-864-11	SHORT CHIP	0		
R56	1-216-864-11	SHORT CHIP	0		
R57	1-216-864-11	SHORT CHIP	0		
R58	1-216-864-11	SHORT CHIP	0		
R59	1-216-864-11	SHORT CHIP	0		
R60	1-216-801-11	METAL CHIP	22	5%	1/10W
R61	1-216-864-11	SHORT CHIP	0		
R62	1-216-864-11	SHORT CHIP	0		
R63	1-216-864-11	SHORT CHIP	0		
R64	1-216-801-11	METAL CHIP	22	5%	1/10W
R65	1-216-801-11	METAL CHIP	22	5%	1/10W
R66	1-216-801-11	METAL CHIP	22	5%	1/10W
R67	1-216-801-11	METAL CHIP	22	5%	1/10W
R68	1-216-801-11	METAL CHIP	22	5%	1/10W
R69	1-216-864-11	SHORT CHIP	0		
		< COMPOSITION CIRCUIT BLOCK >			
RB1	1-234-523-21	RES, CHIP NETWORK 0 (3216)			
RB6	1-239-409-11	RES, CHIP NETWORK 47 (3216)			
RB7	1-239-409-11	RES, CHIP NETWORK 47 (3216)			
RB8	1-239-409-11	RES, CHIP NETWORK 47 (3216)			
RB9	1-239-409-11	RES, CHIP NETWORK 47 (3216)			
RB10	1-234-524-21	RES, CHIP NETWORK 33 (3216)			
RB11	1-234-524-21	RES, CHIP NETWORK 33 (3216)			
RB12	1-234-524-21	RES, CHIP NETWORK 33 (3216)			
RB13	1-234-524-21	RES, CHIP NETWORK 33 (3216)			
		< VIBRATOR >			
X1	1-795-807-11	VIBRATOR, CRYSTAL (25MHz)			

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E-VOLUME

Ref. No.	Part No.	Description			Remark
	A-1182-340-A	E-VOLUME BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C1202	1-112-114-11	ELECT	22uF	20%	50V
C1203	1-112-083-11	ELECT	100uF	20%	16V
C1204	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1205	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1206	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1207	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1208	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1209	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1210	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1212	1-112-114-11	ELECT	22uF	20%	50V
C1213	1-112-083-11	ELECT	100uF	20%	16V
C1214	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1215	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1216	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1217	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1218	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1219	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1220	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1222	1-112-114-11	ELECT	22uF	20%	50V
C1223	1-112-083-11	ELECT	100uF	20%	16V
C1224	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1225	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1226	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1227	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1228	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1229	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1230	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1232	1-112-114-11	ELECT	22uF	20%	50V
C1233	1-112-083-11	ELECT	100uF	20%	16V
C1234	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1235	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1236	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1237	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1238	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1239	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1240	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1243	1-112-426-11	ELECT	47uF	20%	35V
C1244	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1252	1-112-114-11	ELECT	22uF	20%	50V
C1253	1-112-083-11	ELECT	100uF	20%	16V
C1254	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1255	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1262	1-112-114-11	ELECT	22uF	20%	50V
C1263	1-112-083-11	ELECT	100uF	20%	16V
C1264	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1265	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1272	1-112-114-11	ELECT	22uF	20%	50V
C1273	1-112-083-11	ELECT	100uF	20%	16V
C1274	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1275	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1280	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1282	1-112-114-11	ELECT	22uF	20%	50V
C1283	1-112-083-11	ELECT	100uF	20%	16V
C1284	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1285	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1286	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1290	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
		< CONNECTOR >			
CNP1208	1-794-003-11	CONNECTOR 15P			
CNS1201	1-764-864-41	CONNECTOR, BOARD TO BOARD 12P			
CNS1202	1-784-041-41	CONNECTOR, BOARD TO BOARD 9P			
CNS1203	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P			
CNS1204	1-770-593-41	CONNECTOR, BOARD TO BOARD 5P			
		< IC >			
IC1202	8-759-710-97	IC NJM4565M-D			
IC1203	6-709-814-01	IC CXD9725M-HFL			
IC1212	8-759-710-97	IC NJM4565M-D			
IC1213	6-709-814-01	IC CXD9725M-HFL			
IC1222	8-759-710-97	IC NJM4565M-D			
IC1223	6-709-814-01	IC CXD9725M-HFL			
IC1232	8-759-710-97	IC NJM4565M-D			
IC1233	6-709-814-01	IC CXD9725M-HFL			
		< RESISTOR >			
R1202	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1203	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1204	1-216-025-11	RES-CHIP	100	5%	1/10W
R1205	1-216-013-00	RES-CHIP	33	5%	1/10W
R1206	1-216-013-00	RES-CHIP	33	5%	1/10W
R1207	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1212	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1213	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1214	1-216-025-11	RES-CHIP	100	5%	1/10W
R1215	1-216-013-00	RES-CHIP	33	5%	1/10W
R1216	1-216-013-00	RES-CHIP	33	5%	1/10W
R1217	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1222	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1223	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1224	1-216-025-11	RES-CHIP	100	5%	1/10W
R1225	1-216-013-00	RES-CHIP	33	5%	1/10W
R1226	1-216-013-00	RES-CHIP	33	5%	1/10W
R1227	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1232	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1233	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1234	1-216-025-11	RES-CHIP	100	5%	1/10W
R1235	1-216-013-00	RES-CHIP	33	5%	1/10W
R1236	1-216-013-00	RES-CHIP	33	5%	1/10W
R1237	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1252	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1253	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1257	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1262	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1263	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1267	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1272	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1273	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1277	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1282	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1283	1-216-097-11	RES-CHIP	100K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1287	1-216-097-11	RES-CHIP	100K	5%	1/10W
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	A-1212-140-A	HDMI BOARD, COMPLETE (for SERVICE)			(US, CND)
	A-1212-141-A	HDMI BOARD, COMPLETE (for SERVICE)			(AEP, UK)
		**********			
		< CAPACITOR >			
C3501	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3502	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3503	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3504	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3505	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3507	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3508	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3509	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3510	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3511	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3512	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3513	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3514	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3516	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3517	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3518	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3519	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3520	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3521	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3522	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3523	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3524	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3525	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3526	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3527	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3529	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3530	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3531	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3532	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3533	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3534	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3535	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3536	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3537	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3538	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C3539	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3540	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C3541	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3542	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3543	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3544	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3545	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3546	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3547	1-126-246-11	ELECT CHIP	220uF	20%	4V
C3548	1-126-246-11	ELECT CHIP	220uF	20%	4V
C3549	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3550	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3551	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3552	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3553	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3554	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3555	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3556	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3557	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3558	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3561	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3562	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3563	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3564	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3565	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C3566	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3567	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3568	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3569	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3570	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3571	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3572	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3573	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3574	1-126-246-11	ELECT CHIP	220uF	20%	4V
C3575	1-126-246-11	ELECT CHIP	220uF	20%	4V
C3576	1-126-246-11	ELECT CHIP	220uF	20%	4V
C3578	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3579	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3580	1-126-246-11	ELECT CHIP	220uF	20%	4V
C3583	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V
C3584	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3585	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3586	1-117-681-11	ELECT CHIP	100uF	20%	16V
C3590	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3591	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3593	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3594	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3595	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3601	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3602	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3603	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3604	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3605	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3606	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3607	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3608	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3609	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3610	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3611	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3612	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3613	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3614	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3615	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3616	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3617	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C3618	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3619	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3620	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3621	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3622	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3623	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V

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Ref. No.	Part No.	Description			Remark
C3624	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3625	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3626	1-162-908-11	CERAMIC CHIP	3PF	0.25PF	50V
C3627	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3628	1-162-908-11	CERAMIC CHIP	3PF	0.25PF	50V
C3629	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3630	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3631	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3632	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3633	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3634	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C3636	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C3637	1-135-595-11	ELECT	100uF	20%	6.3V
C3638	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3640	1-126-246-11	ELECT CHIP	220uF	20%	4V
C3642	1-128-995-21	ELECT CHIP	100uF	20%	10V
C3644	1-135-474-21	ELECT CHIP	330uF	20%	6.3V
C3645	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3646	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3647	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3648	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3649	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3650	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3651	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3652	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3653	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3654	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3655	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3656	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3657	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3658	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3659	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C3661	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3662	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3663	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3664	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3665	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3666	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3667	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C3668	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3669	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3670	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3671	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3672	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3673	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3674	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C3675	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3676	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3677	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3678	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3679	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3680	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C3681	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3682	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3683	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3684	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3685	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3686	1-165-875-11	CERAMIC CHIP	10uF	10%	10V

Ref. No.	Part No.	Description			Remark
C3687	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3688	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3689	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3690	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3691	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3692	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3693	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3694	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3695	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C3696	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3697	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3698	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3699	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3700	1-165-662-21	ELECT CHIP	220uF	20%	4V
C3701	1-165-662-21	ELECT CHIP	220uF	20%	4V
C3702	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3703	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3704	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3705	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3706	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3707	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3708	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3709	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3710	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3711	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3712	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3713	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3714	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C3715	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3717	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3718	1-128-995-21	ELECT CHIP	100uF	20%	10V
C3719	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3720	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C3721	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3722	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C3723	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3724	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3725	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3726	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3727	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3728	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3729	1-165-662-21	ELECT CHIP	220uF	20%	4V
C3730	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3731	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C3732	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3733	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3734	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3735	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3736	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3737	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3738	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3739	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3740	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3741	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3742	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C3743	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3744	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V

Ref. No.	Part No.	Description			Remark
C3745	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3746	1-128-995-21	ELECT CHIP	100uF	20%	10V
C3747	1-126-246-11	ELECT CHIP	220uF	20%	4V
C3748	1-165-662-21	ELECT CHIP	220uF	20%	4V
C3750	1-126-207-11	ELECT CHIP	33uF	20%	4V
C3751	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3752	1-128-995-21	ELECT CHIP	100uF	20%	10V
C3753	1-128-995-21	ELECT CHIP	100uF	20%	10V
C3754	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3755	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C3756	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C3757	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3758	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3759	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C3760	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3761	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3762	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3763	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3764	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C3765	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3766	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3767	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C3768	1-165-662-21	ELECT CHIP	220uF	20%	4V
C3769	1-128-995-21	ELECT CHIP	100uF	20%	10V
C3770	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3771	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3772	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3773	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3774	1-126-207-11	ELECT CHIP	33uF	20%	4V
C3775	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3776	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3777	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3778	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3779	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3780	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3782	1-165-662-21	ELECT CHIP	220uF	20%	4V
C3783	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3784	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3785	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3786	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3787	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3788	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3789	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3790	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3791	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3792	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3793	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C3794	1-126-246-11	ELECT CHIP	220uF	20%	4V
C3795	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3796	1-165-880-21	ELECT CHIP	220uF	20%	2.5V
C3797	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3798	1-100-635-21	ELECT CHIP	82uF	20%	4V
C3850	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3851	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3854	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3855	1-165-672-21	ELECT CHIP	47uF	20%	10V
C3856	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C3857	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C3858	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3859	1-164-173-11	CERAMIC CHIP	0.0039uF	10%	50V
C3860	1-164-733-11	CERAMIC CHIP	820PF	10%	50V
C3861	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3862	1-165-672-21	ELECT CHIP	47uF	20%	10V
C3864	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3865	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3866	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3867	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3868	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3869	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3870	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3873	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3874	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3875	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3876	1-126-207-11	ELECT CHIP	33uF	20%	4V
C3901	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C3902	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C3903	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V (US, CND)
C3904	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V (US, CND)
C3905	1-162-919-11	CERAMIC CHIP	22PF	5%	50V (US, CND)
C3906	1-162-919-11	CERAMIC CHIP	22PF	5%	50V (US, CND)
C3907	1-162-919-11	CERAMIC CHIP	22PF	5%	50V (US, CND)
C3908	1-162-919-11	CERAMIC CHIP	22PF	5%	50V (US, CND)
C3909	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C3910	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C3911	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C3912	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C3913	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C3914	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C3915	1-162-908-11	CERAMIC CHIP	3PF	0.25PF	50V (US, CND)
C3916	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C3917	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C3918	1-162-908-11	CERAMIC CHIP	3PF	0.25PF	50V (US, CND)
C3919	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C3920	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C3921	1-126-197-11	ELECT CHIP	10uF	20%	50V (US, CND)
C3922	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)

HDMI

Ref. No.	Part No.	Description			Remark
C3923	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C3924	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V (US, CND)
C3925	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V (US, CND)
C3926	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C3927	1-126-197-11	ELECT CHIP	10uF	20%	50V (US, CND)
C3928	1-117-681-11	ELECT CHIP	100uF	20%	16V (US, CND)
C3929	1-126-197-11	ELECT CHIP	10uF	20%	50V (US, CND)
C3930	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V (US, CND)
C3931	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C3932	1-126-197-11	ELECT CHIP	10uF	20%	50V (US, CND)
C3933	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C3934	1-126-197-11	ELECT CHIP	10uF	20%	50V (US, CND)
C3935	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C3936	1-126-197-11	ELECT CHIP	10uF	20%	50V (US, CND)
C3937	1-126-197-11	ELECT CHIP	10uF	20%	50V (US, CND)
C3938	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V (US, CND)
C3939	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V (US, CND)
C3940	1-126-395-11	ELECT CHIP	22uF	20%	16V (US, CND)
C3941	1-165-677-21	ELECT CHIP	330uF	20%	10V (US, CND)
C3942	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V (US, CND)
C3943	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V (US, CND)
C3944	1-115-412-11	CERAMIC CHIP	680PF	5%	25V (US, CND)
C3945	1-115-412-11	CERAMIC CHIP	680PF	5%	25V (US, CND)
C3946	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V (US, CND)
C3948	1-126-204-11	ELECT CHIP	47uF	20%	16V (US, CND)
C3950	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C3951	1-126-197-11	ELECT CHIP	10uF	20%	50V (US, CND)
C3953	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V (US, CND)
C3955	1-126-204-11	ELECT CHIP	47uF	20%	16V (US, CND)
C3956	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C3957	1-126-197-11	ELECT CHIP	10uF	20%	50V (US, CND)
C3958	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3959	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN3501	1-820-735-11	HDMI CONNECTOR (HDMI IN 1)			
CN3502	1-820-735-11	HDMI CONNECTOR (HDMI IN 2)			
CN3503	1-820-735-11	HDMI CONNECTOR (HDMI IN 3)			
CN3504	1-820-735-11	HDMI CONNECTOR (HDMI OUT)			
CN3505	1-820-866-11	PIN, CONNECTOR (PC BOARD) 11P			
CN3506	1-815-875-21	PIN, CONNECTOR (PC BOARD) (12P)			
* CN3508	1-764-250-11	PIN, CONNECTOR (PC BOARD) 4P			
* CN3602	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P			
* CN3603	1-778-867-51	CONNECTOR, FFC/FPC 6P			
* CN3604	1-770-468-21	PIN, CONNECTOR (PC BOARD) 10P			
CN3605	1-774-863-11	PIN, CONNECTOR (PC BOARD) 8P			
CN3801	1-820-859-11	PIN, CONNECTOR (PC BOARD) 20P			
CN3802	1-779-993-11	PIN, CONNECTOR (PWB) 5P (US, CND)			
CN3901	1-793-642-21	CONNECTOR (USB) (4P), SQUARE (XM)			(US, CND)
		< DIODE >			
D3501	8-719-988-61	DIODE 1SS355TE-17			
D3502	8-719-988-61	DIODE 1SS355TE-17			
D3511	8-719-053-18	DIODE 1SR154-400TE-25			
D3606	8-719-053-18	DIODE 1SR154-400TE-25			
D3607	8-719-053-18	DIODE 1SR154-400TE-25			
D3608	8-719-053-18	DIODE 1SR154-400TE-25			
D3617	8-719-053-18	DIODE 1SR154-400TE-25			
D3618	8-719-210-39	DIODE EC10QS-04			
D3902	8-719-083-02	DIODE KDS160-RTK (US, CND)			
D3903	6-500-462-01	DIODE NSAD500F-T1B (US, CND)			
D3904	8-719-083-02	DIODE KDS160-RTK (US, CND)			
		< FERRITE BEAD >			
FB3501	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3502	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3503	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3504	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3505	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3601	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3602	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3603	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3604	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3605	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3606	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3607	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3608	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3609	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB3610	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3611	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3612	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3613	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3614	1-414-234-22	INDUCTOR, FERRITE BEAD			
FB3615	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3616	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3901	1-469-152-11	FERRITE, EMI (SMD) (2012) (US, CND)			

Ref. No.	Part No.	Description	Remark
		< IC >	
IC3501	8-759-389-26	IC 74LCX08MTCX	
IC3503	6-709-221-01	IC TMDS341PFCR	
IC3504	8-759-596-39	IC SN74LV4052APWR	
IC3506	6-708-758-01	IC PCA9517DP,118	
IC3508	8-759-596-39	IC SN74LV4052APWR	
IC3509	(Not supplied)	IC BR24L02F-WE2	
IC3510	8-759-524-10	IC TC74VHC157FT (EL)	
IC3511	6-708-170-01	IC SII9011CLU	
IC3512	8-759-524-10	IC TC74VHC157FT (EL)	
IC3513	(Not supplied)	IC SII9030CTU-7	
IC3514	8-759-832-05	IC BA18BC0FP-E2	
IC3516	6-705-337-01	IC TK11150CSCL-G	
IC3517	6-705-468-01	IC BA33BC0FP-E2	
IC3518	8-759-546-74	IC TC7WH157FU (TE12R)	
@ IC3601	6-709-545-01	IC FLI8668-LF-BC	
IC3602	6-710-521-11	IC HY5DU561622ETP-4	
IC3603	6-709-841-01	IC S29GL128N90TFIR20-A3GUIX100	
IC3604	6-709-564-01	IC YGV629-VZ	
IC3605	6-705-468-01	IC BA33BC0FP-E2	
IC3607	6-705-468-01	IC BA33BC0FP-E2	
IC3608	6-702-300-01	IC TK11118CSCL-G	
IC3609	8-759-475-36	IC TC74LCX08FT (EL)	
IC3610	6-806-496-01	IC MB91F353APMT-A3GUI-X109	
IC3611	6-710-003-01	IC IS61LV12816L-8TL	
IC3612	6-700-394-01	IC BA25BC0FP-E2	
IC3614	6-705-468-01	IC BA33BC0FP-E2	
IC3615	6-806-641-03	IC SST39VF3202704IEKEA3FLIX106	
IC3616	6-705-468-01	IC BA33BC0FP-E2	
IC3617	6-702-381-01	IC SI-3011ZD-TL	
IC3618	6-710-521-11	IC HY5DU561622ETP-4	
IC3619	6-710-050-01	IC TC74LCX245FK (EL)	
IC3620	6-710-050-01	IC TC74LCX245FK (EL)	
IC3850	6-709-565-01	IC ADV7322KSTZ	
IC3851	6-704-261-01	IC TK11225CMCL-G	
IC3852	6-702-301-01	IC TK11125CSCL-G	
IC3853	6-705-308-01	IC SI-3010KM-TL	
IC3854	6-710-444-01	IC CY2302-SXC-1T	
IC3901	6-709-251-01	IC F2602E-01-TR (US, CND)	
IC3902	6-705-468-01	IC BA33BC0FP-E2 (US, CND)	
IC3903	8-759-524-50	IC TC74VHC541FT (EL) (US, CND)	
IC3904	6-707-111-01	IC PCM1753DBQR (US, CND)	
IC3905	6-706-740-01	IC BA00BC0WFP-E2 (US, CND)	
IC3906	6-705-469-01	IC BA50BC0FP-E2 (US, CND)	
IC3907	8-759-710-97	IC NJM4565M-D (US, CND)	
		< COIL >	
L3501	1-469-525-11	INDUCTOR 10uH	
L3502	1-469-525-11	INDUCTOR 10uH	
L3503	1-469-525-11	INDUCTOR 10uH	
L3504	1-469-525-11	INDUCTOR 10uH	
L3505	1-469-525-11	INDUCTOR 10uH	
L3506	1-469-525-11	INDUCTOR 10uH	
L3507	1-469-525-11	INDUCTOR 10uH	
L3508	1-469-525-11	INDUCTOR 10uH	
L3509	1-469-525-11	INDUCTOR 10uH	
L3850	1-469-525-11	INDUCTOR 10uH	

Ref. No.	Part No.	Description			Remark
		< TRANSISTOR >			
Q3503	8-729-029-14	TRANSISTOR	DTC144EUA-T106		
Q3504	8-729-038-05	FET	HN1K02FU (T5RSONY)		
Q3901	8-729-027-43	TRANSISTOR	DTC114EKA-T146 (US, CND)		
Q3902	8-729-027-23	TRANSISTOR	DTA114EKA-T146 (US, CND)		
Q3903	6-550-044-01	TRANSISTOR	2SB1689-T106 (US, CND)		
Q3904	8-729-027-43	TRANSISTOR	DTC114EKA-T146 (US, CND)		
		< RESISTOR >			
R3500	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3501	1-216-864-11	SHORT CHIP	0		
R3502	1-216-864-11	SHORT CHIP	0		
R3503	1-216-864-11	SHORT CHIP	0		
R3504	1-216-864-11	SHORT CHIP	0		
R3505	1-216-864-11	SHORT CHIP	0		
R3506	1-216-864-11	SHORT CHIP	0		
R3507	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3508	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3509	1-216-864-11	SHORT CHIP	0		
R3510	1-216-809-11	METAL CHIP	100	5%	1/10W
R3511	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3512	1-216-864-11	SHORT CHIP	0		
R3513	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3514	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3515	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3516	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3517	1-216-864-11	SHORT CHIP	0		
R3518	1-216-864-11	SHORT CHIP	0		
R3519	1-216-864-11	SHORT CHIP	0		
R3520	1-216-864-11	SHORT CHIP	0		
R3522	1-216-864-11	SHORT CHIP	0		
R3523	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3525	1-218-844-11	METAL CHIP	750	0.5%	1/10W
R3526	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W
R3527	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3528	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3530	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3531	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3532	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3533	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3534	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3535	1-216-864-11	SHORT CHIP	0		
R3536	1-216-864-11	SHORT CHIP	0		
R3537	1-216-864-11	SHORT CHIP	0		
R3538	1-216-864-11	SHORT CHIP	0		
R3539	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3540	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3541	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3542	1-216-864-11	SHORT CHIP	0		
R3543	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3544	1-216-805-11	METAL CHIP	47	5%	1/10W
R3545	1-216-805-11	METAL CHIP	47	5%	1/10W
R3546	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3547	1-216-864-11	SHORT CHIP	0		
R3548	1-216-809-11	METAL CHIP	100	5%	1/10W
R3549	1-216-809-11	METAL CHIP	100	5%	1/10W
R3550	1-216-809-11	METAL CHIP	100	5%	1/10W

@Replacement of IC3601 on the HDMI board used in this set requires a special tool.

Note: When IC3509 and IC3513 on the HDMI board are damaged, exchange the new HDMI board for the HDMI board which IC damaged. When throwing away the HDMI board, be sure to throw away after destroying IC3509 and IC3513 physically with the hammer etc.

HDMI

Ref. No.	Part No.	Description			Remark
R3551	1-216-809-11	METAL CHIP	100	5%	1/10W
R3552	1-216-809-11	METAL CHIP	100	5%	1/10W
R3554	1-216-809-11	METAL CHIP	100	5%	1/10W
R3555	1-216-864-11	SHORT CHIP	0		
R3556	1-216-809-11	METAL CHIP	100	5%	1/10W
R3557	1-216-805-11	METAL CHIP	47	5%	1/10W
R3558	1-216-864-11	SHORT CHIP	0		
R3559	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3560	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3561	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3562	1-216-864-11	SHORT CHIP	0		
R3563	1-216-809-11	METAL CHIP	100	5%	1/10W
R3564	1-216-805-11	METAL CHIP	47	5%	1/10W
R3565	1-216-805-11	METAL CHIP	47	5%	1/10W
R3566	1-216-805-11	METAL CHIP	47	5%	1/10W
R3567	1-216-805-11	METAL CHIP	47	5%	1/10W
R3568	1-216-809-11	METAL CHIP	100	5%	1/10W
R3569	1-216-809-11	METAL CHIP	100	5%	1/10W
R3570	1-216-809-11	METAL CHIP	100	5%	1/10W
R3571	1-216-809-11	METAL CHIP	100	5%	1/10W
R3572	1-216-809-11	METAL CHIP	100	5%	1/10W
R3573	1-216-809-11	METAL CHIP	100	5%	1/10W
R3574	1-216-809-11	METAL CHIP	100	5%	1/10W
R3576	1-216-805-11	METAL CHIP	47	5%	1/10W
R3577	1-216-805-11	METAL CHIP	47	5%	1/10W
R3578	1-216-805-11	METAL CHIP	47	5%	1/10W
R3579	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3580	1-218-839-11	METAL CHIP	470	0.5%	1/10W
R3581	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3582	1-216-864-11	SHORT CHIP	0		
R3583	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3584	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3585	1-216-864-11	SHORT CHIP	0		
R3586	1-216-864-11	SHORT CHIP	0		
R3587	1-216-864-11	SHORT CHIP	0		
R3588	1-216-864-11	SHORT CHIP	0		
R3589	1-216-864-11	SHORT CHIP	0		
R3590	1-216-864-11	SHORT CHIP	0		
R3591	1-216-864-11	SHORT CHIP	0		
R3592	1-216-864-11	SHORT CHIP	0		
R3593	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3594	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3595	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3596	1-216-864-11	SHORT CHIP	0		
R3597	1-216-864-11	SHORT CHIP	0		
R3598	1-216-864-11	SHORT CHIP	0		
R3599	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3600	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3601	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3602	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3603	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3604	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3605	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3606	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3607	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3608	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3609	1-216-841-11	METAL CHIP	47K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R3610	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3611	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3612	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3613	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3614	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3615	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3616	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3617	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3618	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3619	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3620	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3621	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3622	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3623	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3624	1-216-864-11	SHORT CHIP	0		
R3625	1-216-864-11	SHORT CHIP	0		
R3626	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3627	1-216-864-11	SHORT CHIP	0		
R3628	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3629	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R3630	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R3631	1-208-677-11	METAL CHIP	560	0.5%	1/16W
R3632	1-208-677-11	METAL CHIP	560	0.5%	1/16W
R3633	1-216-864-11	SHORT CHIP	0		
R3635	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3636	1-218-990-11	SHORT CHIP	0		
R3637	1-218-990-11	SHORT CHIP	0		
R3638	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3639	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3640	1-216-864-11	SHORT CHIP	0		
R3643	1-216-864-11	SHORT CHIP	0		
R3644	1-216-864-11	SHORT CHIP	0		
R3646	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3647	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3648	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3649	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3650	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3651	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3652	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3653	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3654	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3655	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3656	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3657	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3658	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3660	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3661	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3664	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3665	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R3666	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3667	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3668	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3669	1-216-805-11	METAL CHIP	47	5%	1/10W
R3670	1-216-805-11	METAL CHIP	47	5%	1/10W
R3671	1-216-864-11	SHORT CHIP	0		
R3672	1-216-864-11	SHORT CHIP	0		
R3673	1-216-864-11	SHORT CHIP	0		
R3674	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R3675	1-216-805-11	METAL CHIP	47	5%	1/10W
R3676	1-216-864-11	SHORT CHIP	0		
R3677	1-216-864-11	SHORT CHIP	0		
R3678	1-216-864-11	SHORT CHIP	0		
R3679	1-216-805-11	METAL CHIP	47	5%	1/10W
R3680	1-216-805-11	METAL CHIP	47	5%	1/10W
R3681	1-216-805-11	METAL CHIP	47	5%	1/10W
R3682	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3683	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3684	1-216-864-11	SHORT CHIP	0		
R3685	1-216-809-11	METAL CHIP	100	5%	1/10W
R3686	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3687	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3688	1-216-805-11	METAL CHIP	47	5%	1/10W
R3689	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3690	1-216-864-11	SHORT CHIP	0		
R3691	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3692	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3693	1-216-864-11	SHORT CHIP	0		
R3694	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3695	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3696	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3697	1-216-864-11	SHORT CHIP	0		
R3698	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3699	1-216-864-11	SHORT CHIP	0		
R3700	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3702	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R3703	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R3704	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3705	1-216-864-11	SHORT CHIP	0		
R3706	1-216-864-11	SHORT CHIP	0		
R3707	1-216-864-11	SHORT CHIP	0		
R3708	1-216-864-11	SHORT CHIP	0		
R3709	1-216-864-11	SHORT CHIP	0		
R3710	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3713	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R3714	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R3715	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R3716	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R3717	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3718	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R3719	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3720	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3721	1-216-805-11	METAL CHIP	47	5%	1/10W
R3722	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3723	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3724	1-216-864-11	SHORT CHIP	0		
R3725	1-216-805-11	METAL CHIP	47	5%	1/10W
R3726	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3727	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3729	1-216-805-11	METAL CHIP	47	5%	1/10W
R3731	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3732	1-216-805-11	METAL CHIP	47	5%	1/10W
R3733	1-216-864-11	SHORT CHIP	0		
R3734	1-216-864-11	SHORT CHIP	0		
R3735	1-216-864-11	SHORT CHIP	0		
R3736	1-216-803-11	METAL CHIP	33	5%	1/10W

Ref. No.	Part No.	Description			Remark
R3737	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R3738	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3739	1-216-810-11	METAL CHIP	120	5%	1/10W
R3740	1-216-810-11	METAL CHIP	120	5%	1/10W
R3741	1-216-815-11	METAL CHIP	330	5%	1/10W
R3742	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3744	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3747	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3748	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3749	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3750	1-216-864-11	SHORT CHIP	0		
R3751	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3752	1-216-864-11	SHORT CHIP	0		
R3753	1-216-864-11	SHORT CHIP	0		
R3754	1-216-864-11	SHORT CHIP	0		
R3755	1-216-864-11	SHORT CHIP	0		
R3756	1-216-864-11	SHORT CHIP	0		
R3757	1-216-809-11	METAL CHIP	100	5%	1/10W
R3758	1-216-809-11	METAL CHIP	100	5%	1/10W
R3759	1-216-864-11	SHORT CHIP	0		
R3760	1-216-864-11	SHORT CHIP	0		
R3764	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3765	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3766	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3767	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3768	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3769	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3770	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3771	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3772	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3773	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3774	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3775	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3776	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3777	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3778	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3779	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3780	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3781	1-216-864-11	SHORT CHIP	0		
R3783	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3785	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3786	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3792	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3793	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3794	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3795	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3796	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3797	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3798	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3799	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3801	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3803	1-216-864-11	SHORT CHIP	0		
R3804	1-216-864-11	SHORT CHIP	0		
R3805	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3806	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3807	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3808	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3809	1-208-677-11	METAL CHIP	560	0.5%	1/16W

HDMI

Ref. No.	Part No.	Description			Remark
R3810	1-208-677-11	METAL CHIP	560	0.5%	1/16W
R3811	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3812	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3813	1-216-864-11	SHORT CHIP	0		
R3814	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R3815	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R3816	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3817	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3818	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3819	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3820	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3821	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3822	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3823	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3824	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3825	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3826	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3827	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3828	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3829	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3830	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3831	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3832	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3833	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3834	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3835	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3836	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3837	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3838	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3839	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3840	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3841	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3842	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3843	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3844	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3845	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3846	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3847	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3848	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3849	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3854	1-216-864-11	SHORT CHIP	0		
R3855	1-216-864-11	SHORT CHIP	0		
R3856	1-216-864-11	SHORT CHIP	0		
R3857	1-216-864-11	SHORT CHIP	0		
R3858	1-216-864-11	SHORT CHIP	0		
R3860	1-216-864-11	SHORT CHIP	0		
R3861	1-216-864-11	SHORT CHIP	0		
R3863	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R3864	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R3865	1-216-819-11	METAL CHIP	680	5%	1/10W
R3866	1-216-809-11	METAL CHIP	100	5%	1/10W
R3867	1-216-815-11	METAL CHIP	330	5%	1/10W
R3868	1-216-815-11	METAL CHIP	330	5%	1/10W
R3869	1-216-864-11	SHORT CHIP	0		
R3870	1-216-864-11	SHORT CHIP	0		
R3871	1-218-842-11	METAL CHIP	620	0.5%	1/10W
R3872	1-218-842-11	METAL CHIP	620	0.5%	1/10W

Ref. No.	Part No.	Description			Remark
R3873	1-218-842-11	METAL CHIP	620	0.5%	1/10W
R3874	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3875	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3876	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3877	1-216-864-11	SHORT CHIP	0		
R3878	1-216-864-11	SHORT CHIP	0		
R3879	1-216-864-11	SHORT CHIP	0		
R3880	1-216-864-11	SHORT CHIP	0		
R3881	1-216-864-11	SHORT CHIP	0		
R3882	1-216-864-11	SHORT CHIP	0		
R3883	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3884	1-218-856-11	METAL CHIP	2.4K	0.5%	1/10W
R3885	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R3886	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3887	1-216-803-11	METAL CHIP	33	5%	1/10W
R3888	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3889	1-216-803-11	METAL CHIP	33	5%	1/10W
R3891	1-216-864-11	SHORT CHIP	0		
R3892	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3901	1-216-295-00	SHORT CHIP	0 (US, CND)		
R3902	1-216-295-00	SHORT CHIP	0 (US, CND)		
R3903	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R3904	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R3905	1-216-821-11	METAL CHIP	1K	5%	1/10W (US, CND)
R3907	1-216-821-11	METAL CHIP	1K	5%	1/10W (US, CND)
R3908	1-216-821-11	METAL CHIP	1K	5%	1/10W (US, CND)
R3909	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND)
R3910	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND)
R3911	1-216-841-11	METAL CHIP	47K	5%	1/10W (US, CND)
R3912	1-216-841-11	METAL CHIP	47K	5%	1/10W (US, CND)
R3913	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND)
R3914	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R3915	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (US, CND)
R3916	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R3917	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND)
R3918	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R3919	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND)
R3920	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R3921	1-216-841-11	METAL CHIP	47K	5%	1/10W (US, CND)
R3922	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND)
R3923	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)

Ref. No.	Part No.	Description			Remark
R3924	1-216-841-11	METAL CHIP	47K	5%	1/10W (US, CND)
R3925	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND)
R3926	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND)
R3927	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND)
R3928	1-216-841-11	METAL CHIP	47K	5%	1/10W (US, CND)
R3929	1-216-841-11	METAL CHIP	47K	5%	1/10W (US, CND)
R3930	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R3931	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R3932	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R3933	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R3934	1-216-864-11	SHORT CHIP	0 (US, CND)		
R3935	1-216-864-11	SHORT CHIP	0 (US, CND)		
R3936	1-216-864-11	SHORT CHIP	0 (US, CND)		
R3941	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R3942	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R3943	1-216-295-00	SHORT CHIP	0 (US, CND)		
R3944	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R3945	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R3946	1-216-295-00	SHORT CHIP	0 (US, CND)		
R3950	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R3952	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R3953	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R3954	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R3955	1-216-845-11	METAL CHIP	100K	5%	1/10W (US, CND)
R3956	1-216-845-11	METAL CHIP	100K	5%	1/10W (US, CND)
R3957	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W (US, CND)
R3958	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W (US, CND)
R3959	1-216-834-11	METAL CHIP	12K	5%	1/10W (US, CND)
R3960	1-216-832-11	METAL CHIP	8.2K	5%	1/10W (US, CND)
R3961	1-216-832-11	METAL CHIP	8.2K	5%	1/10W (US, CND)
R3962	1-216-834-11	METAL CHIP	12K	5%	1/10W (US, CND)
R3963	1-216-819-11	METAL CHIP	680	5%	1/10W (US, CND)
R3964	1-216-819-11	METAL CHIP	680	5%	1/10W (US, CND)
R3965	1-216-821-11	METAL CHIP	1K	5%	1/10W (US, CND)
R3966	1-216-841-11	METAL CHIP	47K	5%	1/10W (US, CND)
R3967	1-216-864-11	SHORT CHIP	0 (US, CND)		
R3968	1-216-864-11	SHORT CHIP	0 (US, CND)		
R3969	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R3970	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R3971	1-216-864-11	SHORT CHIP	0 (US, CND)		
R3972	1-216-864-11	SHORT CHIP	0 (US, CND)		
R3973	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3977	1-216-864-11	SHORT CHIP	0 (US, CND)		
R3978	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R3979	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND)
R3980	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND)

< COMPOSITION CIRCUIT BLOCK >

RB3501	1-234-371-21	RES, NETWORK 47 (1005X4)
RB3502	1-234-371-21	RES, NETWORK 47 (1005X4)
RB3503	1-234-371-21	RES, NETWORK 47 (1005X4)
RB3504	1-234-371-21	RES, NETWORK 47 (1005X4)
RB3505	1-234-371-21	RES, NETWORK 47 (1005X4)
RB3506	1-234-371-21	RES, NETWORK 47 (1005X4)
RB3601	1-242-963-21	RES, NETWORK 33 (1005X4)
RB3602	1-242-963-21	RES, NETWORK 33 (1005X4)
RB3603	1-242-963-21	RES, NETWORK 33 (1005X4)
RB3604	1-242-963-21	RES, NETWORK 33 (1005X4)
RB3605	1-242-963-21	RES, NETWORK 33 (1005X4)
RB3606	1-242-963-21	RES, NETWORK 33 (1005X4)
RB3608	1-242-963-21	RES, NETWORK 33 (1005X4)
RB3610	1-242-963-21	RES, NETWORK 33 (1005X4)
RB3612	1-242-963-21	RES, NETWORK 33 (1005X4)
RB3614	1-242-963-21	RES, NETWORK 33 (1005X4)
RB3618	1-242-963-21	RES, NETWORK 33 (1005X4)
RB3619	1-242-963-21	RES, NETWORK 33 (1005X4)
RB3620	1-242-963-21	RES, NETWORK 33 (1005X4)
RB3621	1-242-963-21	RES, NETWORK 33 (1005X4)
RB3622	1-242-963-21	RES, NETWORK 33 (1005X4)
RB3623	1-242-963-21	RES, NETWORK 33 (1005X4)
RB3624	1-242-963-21	RES, NETWORK 33 (1005X4)
RB3625	1-242-963-21	RES, NETWORK 33 (1005X4)
RB3626	1-234-371-21	RES, NETWORK 47 (1005X4)
RB3627	1-234-371-21	RES, NETWORK 47 (1005X4)
RB3628	1-234-371-21	RES, NETWORK 47 (1005X4)
RB3630	1-234-371-21	RES, NETWORK 47 (1005X4)
RB3631	1-234-371-21	RES, NETWORK 47 (1005X4)
RB3636	1-234-371-21	RES, NETWORK 47 (1005X4)
RB3637	1-234-371-21	RES, NETWORK 47 (1005X4)

< VIBRATOR >

X3501	1-813-570-21	VIBRATOR, CRYSTAL (28.322MHz)
X3601	1-813-807-11	VIBRATOR, CRYSTAL (33.2MHz)
X3602	1-781-893-21	VIBRATOR, CERAMIC (CHIP TYPE) (12.5MHz)
X3603	1-813-808-11	VIBRATOR, CRYSTAL (19.6608MHz)
X3901	1-760-841-11	VIBRATOR, CRYSTAL (45.1584MHz) (US, CND)

****

KEY 1 **M-VOL DA5200** **MAIN**

Ref. No.	Part No.	Description			Remark
		KEY 1 BOARD			
		**********			
		< CONNECTOR >			
* CN715	1-568-941-11	PIN, CONNECTOR 3P			
		< RESISTOR >			
R760	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R761	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
		< SWITCH >			
S720	1-771-349-21	SWITCH, KEYBOARD (MULTI CH IN)			
S721	1-771-349-21	SWITCH, KEYBOARD (HDMI)			
**********					
		M-VOL DA5200 BOARD			
		**********			
	1-775-377-51	LEAD (WITH CONNECTOR)			
		< CAPACITOR >			
C717	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		< CONNECTOR >			
* CN712	1-564-725-11	PIN, CONNECTOR (SMALL TYPE) 9P			
CN713	1-779-277-11	CONNECTOR, FFC (LIF (NON-ZIF)) 9P			
CN714	1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P			
		< DIODE >			
D714	8-719-058-24	DIODE RB501V-40TE-17			
		< IC >			
IC704	8-759-524-04	IC TC74VHC125FT (EL)			
		< JUMPER RESISTOR >			
JR771	1-216-295-00	SHORT CHIP	0		
JR772	1-216-295-00	SHORT CHIP	0		
JR773	1-216-295-00	SHORT CHIP	0		
JR774	1-216-295-00	SHORT CHIP	0		
		< TRANSISTOR >			
Q712	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR >			
R771	1-216-833-11	METAL CHIP	10K	5%	1/10W
R779	1-216-833-11	METAL CHIP	10K	5%	1/10W
		< ROTARY ENCODER >			
S723	1-418-725-41	ENCODER, ROTARY (12 TYPE)			(MASTER VOLUME)
**********					
	A-1183-224-A	MAIN BOARD, COMPLETE (AEP, UK)			
	A-1183-450-A	MAIN BOARD, COMPLETE (US, CND)			
		**********			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			

Ref. No.	Part No.	Description			Remark
		< CAPACITOR >			
C1001	1-128-809-11	CERAMIC	100PF	5%	50V
C1002	1-128-809-11	CERAMIC	100PF	5%	50V
C1003	1-128-825-11	CERAMIC	2200PF	5%	50V
C1004	1-128-809-11	CERAMIC	100PF	5%	50V
C1005	1-128-809-11	CERAMIC	100PF	5%	50V
C1006	1-128-809-11	CERAMIC	100PF	5%	50V
C1007	1-128-809-11	CERAMIC	100PF	5%	50V
C1008	1-128-809-11	CERAMIC	100PF	5%	50V
C1009	1-128-809-11	CERAMIC	100PF	5%	50V
C1010	1-128-825-11	CERAMIC	2200PF	5%	50V
C1011	1-128-825-11	CERAMIC	2200PF	5%	50V
C1012	1-128-825-11	CERAMIC	2200PF	5%	50V
C1013	1-127-876-11	CERAMIC	0.01uF	10%	50V
C1014	1-128-809-11	CERAMIC	100PF	5%	50V
C1015	1-112-114-11	ELECT	22uF	20%	50V
C1016	1-112-114-11	ELECT	22uF	20%	50V
C1017	1-112-114-11	ELECT	22uF	20%	50V
C1018	1-112-114-11	ELECT	22uF	20%	50V
C1019	1-112-114-11	ELECT	22uF	20%	50V
C1020	1-112-114-11	ELECT	22uF	20%	50V
C1021	1-112-114-11	ELECT	22uF	20%	50V
C1022	1-112-114-11	ELECT	22uF	20%	50V
C1101	1-128-821-11	CERAMIC	1000PF	5%	50V
C1102	1-128-821-11	CERAMIC	1000PF	5%	50V
C1103	1-128-809-11	CERAMIC	100PF	5%	50V
C1104	1-128-809-11	CERAMIC	100PF	5%	50V
C1106	1-128-809-11	CERAMIC	100PF	5%	50V
C1107	1-128-809-11	CERAMIC	100PF	5%	50V
C1108	1-128-809-11	CERAMIC	100PF	5%	50V
C1109	1-128-809-11	CERAMIC	100PF	5%	50V
C1111	1-128-809-11	CERAMIC	100PF	5%	50V
C1112	1-128-809-11	CERAMIC	100PF	5%	50V
C1113	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1114	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1115	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1116	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1117	1-112-114-11	ELECT	22uF	20%	50V
C1118	1-112-114-11	ELECT	22uF	20%	50V
C1119	1-112-114-11	ELECT	22uF	20%	50V
C1120	1-112-114-11	ELECT	22uF	20%	50V
C1121	1-112-114-11	ELECT	22uF	20%	50V
C1122	1-112-114-11	ELECT	22uF	20%	50V
C1123	1-112-114-11	ELECT	22uF	20%	50V
C1124	1-112-114-11	ELECT	22uF	20%	50V
C1201	1-112-114-11	ELECT	22uF	20%	50V
C1211	1-112-114-11	ELECT	22uF	20%	50V
C1221	1-112-114-11	ELECT	22uF	20%	50V
C1231	1-112-114-11	ELECT	22uF	20%	50V
C1241	1-112-114-11	ELECT	22uF	20%	50V
C1242	1-112-114-11	ELECT	22uF	20%	50V
C1251	1-112-114-11	ELECT	22uF	20%	50V
C1261	1-112-114-11	ELECT	22uF	20%	50V
C1271	1-112-114-11	ELECT	22uF	20%	50V
C1281	1-112-114-11	ELECT	22uF	20%	50V
C1301	1-128-825-11	CERAMIC	2200PF	5%	50V

Ref. No.	Part No.	Description			Remark
C1302	1-128-825-11	CERAMIC	2200PF	5%	50V
C1303	1-127-876-11	CERAMIC	0.01uF	10%	50V
C1304	1-112-114-11	ELECT	22uF	20%	50V
C1305	1-112-114-11	ELECT	22uF	20%	50V
C1306	1-128-809-11	CERAMIC	100PF	5%	50V
C1401	1-114-243-11	ELECT (BLOCK)	8200uF	20%	71V
C1402	1-114-243-11	ELECT (BLOCK)	8200uF	20%	71V
C1403	1-137-350-11	FILM	0.015uF	5%	100V
C1404	1-137-350-11	FILM	0.015uF	5%	100V
C1405	1-104-999-11	MYLAR	0.1uF	5%	200V
C1406	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1408	1-112-422-11	ELECT	470uF	20%	25V
C1409	1-112-422-11	ELECT	470uF	20%	25V
C1410	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1411	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1414	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1415	1-112-422-11	ELECT	470uF	20%	25V
C1416	1-112-422-11	ELECT	470uF	20%	25V
C1417	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1418	1-112-422-11	ELECT	470uF	20%	25V
C1419	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1420	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1421	1-112-422-11	ELECT	470uF	20%	25V
C1422	1-137-350-11	FILM	0.015uF	5%	100V
C1423	1-137-350-11	FILM	0.015uF	5%	100V
C1424	1-114-262-21	ELECT	2200uF	20%	25V
C1425	1-114-262-21	ELECT	2200uF	20%	25V
C1428	1-104-999-11	MYLAR	0.1uF	5%	200V
C4001	1-128-809-11	CERAMIC	100PF	5%	50V
C4002	1-128-809-11	CERAMIC	100PF	5%	50V
C4003	1-128-809-11	CERAMIC	100PF	5%	50V
C4004	1-137-395-91	MYLAR	0.022uF	5%	100V
C4005	1-137-395-91	MYLAR	0.022uF	5%	100V
C4006	1-128-809-11	CERAMIC	100PF	5%	50V
C4007	1-128-809-11	CERAMIC	100PF	5%	50V
C4008	1-137-395-91	MYLAR	0.022uF	5%	100V
C5216	1-112-077-11	ELECT	1000uF	20%	6.3V

< CONNECTOR >

CN1401	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P
CNP1001	1-784-930-11	PIN, CONNECTOR 15P
CNP1002	1-794-006-11	CONNECTOR 20P
CNP1003	1-794-004-11	CONNECTOR 17P
CNP1203	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P
CNP1204	1-770-594-21	CONNECTOR, BOARD TO BOARD 5P
CNP1205	1-794-003-11	CONNECTOR 15P
CNP1403	1-785-103-11	PIN, CONNECTOR (3.96mm PITCH) 5P
CNP1404	1-691-765-11	PLUG (MICRO CONNECTOR) 3P
CNP1405	1-785-102-11	PIN, CONNECTOR (3.96mm PITCH) 4P

< DIODE >

D1001	8-719-991-33	DIODE 1SS133T-77
D1002	8-719-991-33	DIODE 1SS133T-77
D1003	8-719-991-33	DIODE 1SS133T-77
D1004	8-719-991-33	DIODE 1SS133T-77
D1005	8-719-991-33	DIODE 1SS133T-77
D1101	8-719-991-33	DIODE 1SS133T-77
D1102	8-719-991-33	DIODE 1SS133T-77
D1103	8-719-991-33	DIODE 1SS133T-77
D1104	8-719-991-33	DIODE 1SS133T-77
D1401	8-719-510-68	DIODE D5SBA204101
D1402	8-719-921-63	DIODE MTZJ-7.5B
D1403	8-719-991-33	DIODE 1SS133T-77
D1405	6-500-522-11	DIODE 10EDB40-TA2B5
D1406	6-500-522-11	DIODE 10EDB40-TA2B5
D1407	6-500-522-11	DIODE 10EDB40-TA2B5
D1408	6-500-522-11	DIODE 10EDB40-TA2B5
D1410	6-500-522-11	DIODE 10EDB40-TA2B5
D1411	8-719-302-37	DIODE RBV-602
D1412	8-719-991-33	DIODE 1SS133T-77
D1413	8-719-991-33	DIODE 1SS133T-77
D1414	8-719-991-33	DIODE 1SS133T-77
D4001	8-719-991-33	DIODE 1SS133T-77
D4002	8-719-991-33	DIODE 1SS133T-77
D4003	8-719-991-33	DIODE 1SS133T-77

< FUSE HOLDER >

FH1401	1-533-313-11	FUSE HOLDER
FH1402	1-533-313-11	FUSE HOLDER
FH1451	1-533-313-11	FUSE HOLDER
FH1452	1-533-313-11	FUSE HOLDER

< IC >

IC1001	6-709-811-01	IC TC9274CNG-016
IC1201	8-759-167-88	IC NJM4565D
IC1211	8-759-167-88	IC NJM4565D
IC1221	8-759-167-88	IC NJM4565D
IC1231	8-759-167-88	IC NJM4565D
IC1301	6-709-809-01	IC TC9273CFG-012 (EL)
IC1302	8-759-167-88	IC NJM4565D
IC1303	8-759-167-88	IC NJM4565D
IC1401	8-759-231-59	IC TA7815S
IC1402	8-759-245-87	IC TA79015S
IC1405	6-702-771-01	IC TA78033LS
IC1406	8-759-496-15	IC BA05ST-V5
IC1407	8-759-245-79	IC TA79005S
IC1408	6-703-550-01	IC TA7809LS

< JACK >

J1001	1-794-981-11	JACK, PIN 4P (MULTI CHANNEL IN FRONT/SURROUND)
J1002	1-766-398-21	JACK, PIN 4P (MULTI CHANNEL IN SUR BACK/CENTER/SUB WOOFER)
J1101	1-794-981-11	JACK, PIN 4P (PRE OUT FRONT/SURROUND)
J1102	1-766-398-21	JACK, PIN 4P (PRE OUT SUR BACK/CENTER/SUB WOOFER)

< TRANSISTOR >

Q1101	8-729-119-78	TRANSISTOR	2SC2785-HFE
Q1102	8-729-119-78	TRANSISTOR	2SC2785-HFE
Q1103	8-729-119-78	TRANSISTOR	2SC2785-HFE
Q1104	8-729-119-78	TRANSISTOR	2SC2785-HFE
Q1401	8-729-119-78	TRANSISTOR	2SC2785-HFE
Q1402	8-729-119-78	TRANSISTOR	2SC2785-HFE
Q1404	8-729-119-78	TRANSISTOR	2SC2785-HFE
Q1406	8-729-119-76	TRANSISTOR	2SA1175-HFE
Q1408	8-729-029-86	TRANSISTOR	DTC124ESA

MAIN

Ref. No.	Part No.	Description			Remark
Q1410	8-729-029-86	TRANSISTOR	DTC124ESA		
Q4001	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q4002	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q4003	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q5211	8-729-209-15	TRANSISTOR	2SD2012		
		< RESISTOR >			
R1001	1-249-441-11	CARBON	100K	5%	1/4W
R1002	1-249-441-11	CARBON	100K	5%	1/4W
R1003	1-249-441-11	CARBON	100K	5%	1/4W
R1004	1-249-441-11	CARBON	100K	5%	1/4W
R1005	1-249-441-11	CARBON	100K	5%	1/4W
R1006	1-249-441-11	CARBON	100K	5%	1/4W
R1007	1-249-441-11	CARBON	100K	5%	1/4W
R1008	1-249-441-11	CARBON	100K	5%	1/4W
R1010	1-249-417-11	CARBON	1K	5%	1/4W
R1011	1-249-417-11	CARBON	1K	5%	1/4W
R1012	1-249-417-11	CARBON	1K	5%	1/4W
R1013	1-249-417-11	CARBON	1K	5%	1/4W
R1014	1-249-417-11	CARBON	1K	5%	1/4W
R1015	1-249-417-11	CARBON	1K	5%	1/4W
R1016	1-249-417-11	CARBON	1K	5%	1/4W
R1017	1-249-417-11	CARBON	1K	5%	1/4W
R1018	1-249-417-11	CARBON	1K	5%	1/4W
R1101	1-259-428-61	CARBON	1K	5%	1/6W
R1102	1-259-428-61	CARBON	1K	5%	1/6W
R1103	1-259-428-61	CARBON	1K	5%	1/6W
R1104	1-259-428-61	CARBON	1K	5%	1/6W
R1105	1-259-428-61	CARBON	1K	5%	1/6W
R1106	1-259-428-61	CARBON	1K	5%	1/6W
R1107	1-259-428-61	CARBON	1K	5%	1/6W
R1108	1-259-428-61	CARBON	1K	5%	1/6W
R1109	1-247-847-91	CARBON	4.7K	5%	1/4W
R1110	1-247-847-91	CARBON	4.7K	5%	1/4W
R1111	1-247-847-91	CARBON	4.7K	5%	1/4W
R1112	1-247-847-91	CARBON	4.7K	5%	1/4W
R1113	1-249-429-11	CARBON	10K	5%	1/4W
R1114	1-249-429-11	CARBON	10K	5%	1/4W
R1115	1-249-429-11	CARBON	10K	5%	1/4W
R1116	1-249-429-11	CARBON	10K	5%	1/4W
⚠R1117	1-249-393-11	CARBON	10	5%	1/4W F
⚠R1118	1-249-393-11	CARBON	10	5%	1/4W F
⚠R1119	1-249-393-11	CARBON	10	5%	1/4W F
⚠R1120	1-249-393-11	CARBON	10	5%	1/4W F
R1122	1-259-404-61	CARBON	100	5%	1/6W
R1123	1-259-404-61	CARBON	100	5%	1/6W
R1126	1-259-404-61	CARBON	100	5%	1/6W
R1127	1-259-404-61	CARBON	100	5%	1/6W
R1130	1-259-404-61	CARBON	100	5%	1/6W
R1131	1-259-404-61	CARBON	100	5%	1/6W
R1134	1-259-404-61	CARBON	100	5%	1/6W
R1135	1-259-404-61	CARBON	100	5%	1/6W
R1137	1-259-476-61	CARBON	100K	5%	1/6W
R1138	1-259-476-61	CARBON	100K	5%	1/6W
R1139	1-259-476-61	CARBON	100K	5%	1/6W
R1140	1-259-476-61	CARBON	100K	5%	1/6W
R1141	1-259-476-61	CARBON	100K	5%	1/6W

Ref. No.	Part No.	Description			Remark
R1142	1-259-476-61	CARBON	100K	5%	1/6W
R1143	1-259-476-61	CARBON	100K	5%	1/6W
R1144	1-259-476-61	CARBON	100K	5%	1/6W
R1201	1-259-476-61	CARBON	100K	5%	1/6W
R1211	1-259-476-61	CARBON	100K	5%	1/6W
R1221	1-259-476-61	CARBON	100K	5%	1/6W
R1231	1-259-476-61	CARBON	100K	5%	1/6W
R1251	1-259-476-61	CARBON	100K	5%	1/6W
R1261	1-259-476-61	CARBON	100K	5%	1/6W
R1271	1-259-476-61	CARBON	100K	5%	1/6W
R1281	1-259-476-61	CARBON	100K	5%	1/6W
⚠R1301	1-249-399-11	CARBON	33	5%	1/4W F
⚠R1302	1-249-399-11	CARBON	33	5%	1/4W F
R1303	1-259-452-61	CARBON	10K	5%	1/6W
R1304	1-259-452-61	CARBON	10K	5%	1/6W
R1305	1-259-452-61	CARBON	10K	5%	1/6W
R1306	1-259-452-61	CARBON	10K	5%	1/6W
R1307	1-259-452-61	CARBON	10K	5%	1/6W
R1308	1-259-452-61	CARBON	10K	5%	1/6W
R1309	1-259-452-61	CARBON	10K	5%	1/6W
R1310	1-259-452-61	CARBON	10K	5%	1/6W
R1311	1-259-456-61	CARBON	15K	5%	1/6W
R1312	1-259-456-61	CARBON	15K	5%	1/6W
R1313	1-247-847-91	CARBON	4.7K	5%	1/4W
R1314	1-247-847-91	CARBON	4.7K	5%	1/4W
R1315	1-259-456-61	CARBON	15K	5%	1/6W
R1316	1-259-456-61	CARBON	15K	5%	1/6W
R1317	1-249-417-11	CARBON	1K	5%	1/4W
⚠R1401	1-249-407-11	CARBON	150	5%	1/4W F
R1403	1-249-421-11	CARBON	2.2K	5%	1/4W
R1404	1-249-429-11	CARBON	10K	5%	1/4W
⚠R1405	1-249-393-11	CARBON	10	5%	1/4W F
⚠R1407	1-215-867-00	METAL OXIDE	470	5%	1W F
⚠R1408	1-215-867-00	METAL OXIDE	470	5%	1W F
R1409	1-249-409-11	CARBON	220	5%	1/4W
R1411	1-247-847-91	CARBON	4.7K	5%	1/4W
R1412	1-247-847-91	CARBON	4.7K	5%	1/4W
R1416	1-249-429-11	CARBON	10K	5%	1/4W
⚠R1417	1-249-393-11	CARBON	10	5%	1/4W F
⚠R1418	1-249-407-11	CARBON	150	5%	1/4W F
⚠R4001	1-249-393-11	CARBON	10	5%	1/4W F
⚠R4002	1-249-393-11	CARBON	10	5%	1/4W F
⚠R4003	1-249-393-11	CARBON	10	5%	1/4W F
R4006	1-249-393-11	CARBON	10	5%	1/4W
R4007	1-249-393-11	CARBON	10	5%	1/4W
R4008	1-249-393-11	CARBON	10	5%	1/4W
R4009	1-249-429-11	CARBON	10K	5%	1/4W
R4010	1-249-429-11	CARBON	10K	5%	1/4W
R4011	1-249-429-11	CARBON	10K	5%	1/4W
⚠R4012	1-249-393-11	CARBON	10	5%	1/4W F
⚠R4013	1-249-393-11	CARBON	10	5%	1/4W F
⚠R4014	1-249-393-11	CARBON	10	5%	1/4W F
		< RELAY >			
RY1101	1-755-486-11	RELAY			
RY1102	1-755-486-11	RELAY			
RY1103	1-755-486-11	RELAY			
RY1104	1-755-486-11	RELAY			

Ref. No.	Part No.	Description			Remark
RY1401	1-755-486-11	RELAY			
RY1402	1-755-031-11	RELAY			
RY4001	1-515-920-11	RELAY (24V)			
RY4002	1-515-920-11	RELAY (24V)			
RY4003	1-515-920-11	RELAY (24V)			
		< TERMINAL >			
TM4001	1-780-405-11	TERMINAL BOARD (SP) (2P) (SPEAKERS CENTER)			
TM4002	1-780-404-11	TERMINAL BOARD (SP) (8P) (SPEAKERS FRONT A/B)			
**********					
		MIC BOARD			
		**********			
		< CAPACITOR >			
C755	1-100-566-91	CERAMIC CHIP	0.1uF	10% 25V	
		< CONNECTOR >			
CN718	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
		< JACK >			
J701	1-820-056-11	SMALL TYPE JACK (AUTO CAL MIC)			
		< FLAT CABLE >			
W701	1-775-377-21	LEAD (WITH CONNECTOR)			
**********					
		POWER AMP BOARD			
		**********			
		< CAPACITOR >			
C1512	1-107-597-11	CERAMIC	22PF	5% 500V	
C1513	1-107-597-11	CERAMIC	22PF	5% 500V	
C1562	1-107-597-11	CERAMIC	22PF	5% 500V	
C1563	1-107-597-11	CERAMIC	22PF	5% 500V	
C1612	1-107-597-11	CERAMIC	22PF	5% 500V	
C1613	1-107-597-11	CERAMIC	22PF	5% 500V	
C1712	1-107-597-11	CERAMIC	22PF	5% 500V	
C1713	1-107-597-11	CERAMIC	22PF	5% 500V	
C1762	1-107-597-11	CERAMIC	22PF	5% 500V	
C1763	1-107-597-11	CERAMIC	22PF	5% 500V	
C1812	1-107-597-11	CERAMIC	22PF	5% 500V	
C1813	1-107-597-11	CERAMIC	22PF	5% 500V	
C1862	1-107-597-11	CERAMIC	22PF	5% 500V	
C1863	1-107-597-11	CERAMIC	22PF	5% 500V	
C1903	1-112-857-21	ELECT	100uF	20% 100V	
C1904	1-112-857-21	ELECT	100uF	20% 100V	
		< CONNECTOR >			
CN1901	1-785-102-11	PIN, CONNECTOR (3.96mm PITCH) 4P			
CNP1903	1-573-844-11	CONNECTOR, BOARD TO BOARD 12P			
CNP1904	1-573-844-11	CONNECTOR, BOARD TO BOARD 12P			
		< COIL >			
L1501	1-420-872-52	COIL, AIR-CORE			
L1551	1-420-872-52	COIL, AIR-CORE			
L1601	1-420-872-52	COIL, AIR-CORE			
L1701	1-420-872-52	COIL, AIR-CORE			
L1751	1-420-872-52	COIL, AIR-CORE			
L1801	1-420-872-52	COIL, AIR-CORE			
L1851	1-420-872-52	COIL, AIR-CORE			
		< RESISTOR >			
⚠R1515	1-249-405-11	CARBON	100	5% 1/4W F	
⚠R1516	1-234-572-21	ENCAPSULATED COMPONENT	0.22	5W F	
⚠R1517	1-249-405-11	CARBON	100	5% 1/4W F	
⚠R1518	1-249-393-11	CARBON	10	5% 1/4W F	
⚠R1565	1-249-405-11	CARBON	100	5% 1/4W F	
⚠R1566	1-234-572-21	ENCAPSULATED COMPONENT	0.22	5W F	
⚠R1567	1-249-405-11	CARBON	100	5% 1/4W F	
⚠R1568	1-249-393-11	CARBON	10	5% 1/4W F	
⚠R1615	1-249-405-11	CARBON	100	5% 1/4W F	
⚠R1616	1-234-572-21	ENCAPSULATED COMPONENT	0.22	5W F	
⚠R1617	1-249-405-11	CARBON	100	5% 1/4W F	
⚠R1618	1-249-393-11	CARBON	10	5% 1/4W F	
⚠R1715	1-249-405-11	CARBON	100	5% 1/4W F	
⚠R1716	1-234-572-21	ENCAPSULATED COMPONENT	0.22	5W F	
⚠R1717	1-249-405-11	CARBON	100	5% 1/4W F	
⚠R1718	1-249-393-11	CARBON	10	5% 1/4W F	
⚠R1765	1-249-405-11	CARBON	100	5% 1/4W F	
⚠R1766	1-234-572-21	ENCAPSULATED COMPONENT	0.22	5W F	
⚠R1767	1-249-405-11	CARBON	100	5% 1/4W F	
⚠R1768	1-249-393-11	CARBON	10	5% 1/4W F	
⚠R1815	1-249-405-11	CARBON	100	5% 1/4W F	
⚠R1816	1-234-572-21	ENCAPSULATED COMPONENT	0.22	5W F	
⚠R1817	1-249-405-11	CARBON	100	5% 1/4W F	
⚠R1818	1-249-393-11	CARBON	10	5% 1/4W F	
⚠R1865	1-249-405-11	CARBON	100	5% 1/4W F	
⚠R1866	1-234-572-21	ENCAPSULATED COMPONENT	0.22	5W F	
⚠R1867	1-249-405-11	CARBON	100	5% 1/4W F	
⚠R1868	1-249-393-11	CARBON	10	5% 1/4W F	
**********					
		POWER SW BOARD			
		**********			
		< CONNECTOR >			
CN1	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
CN2	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P			
		< SWITCH >			
⚠SW1	1-786-377-11	SWITCH, POWER (POWER)			
**********					

S-VIDEO SP TERMINAL

Ref. No.	Part No.	Description			Remark
	A-1188-308-A	S-VIDEO BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C6903	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C6904	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C6906	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C6907	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C6909	1-126-964-11	ELECT	10uF	20%	50V
C6910	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C6911	1-126-964-11	ELECT	10uF	20%	50V
C6912	1-126-964-11	ELECT	10uF	20%	50V
C6913	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C6914	1-126-964-11	ELECT	10uF	20%	50V
C6917	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C6919	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C6920	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C6921	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C6922	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C6923	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C6924	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C6925	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C6926	1-126-947-11	ELECT	47uF	20%	35V
C6927	1-126-947-11	ELECT	47uF	20%	35V
C6928	1-126-964-11	ELECT	10uF	20%	50V
C6929	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C6930	1-126-947-11	ELECT	47uF	20%	35V
C6931	1-126-947-11	ELECT	47uF	20%	35V
C6932	1-126-964-11	ELECT	10uF	20%	50V
		< CONNECTOR >			
CNP6901	1-784-922-11	PIN, CONNECTOR 5P			
CNP6902	1-779-977-11	PIN, CONNECTOR 6P			
CNS6903	1-779-289-11	CONNECTOR, FFC (LIF (NON-ZIF)) 21P			
		< FERRITE BEAD >			
FB6901	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB6902	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB6903	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB6904	1-469-152-11	FERRITE, EMI (SMD) (2012)			
		< IC >			
IC6901	6-704-199-01	IC NJM2595M-TE2			
IC6902	6-704-199-01	IC NJM2595M-TE2			
		< JACK >			
J6901	1-537-943-11	TERMINAL, S (MONITOR OUT S VIDEO)			
J6902	1-764-676-11	CONNECTOR (ROUND TYPE) (TV/SAT S VIDEO IN, DVD S VIDEO IN)			
J6903	1-764-676-11	CONNECTOR (ROUND TYPE) (VIDEO 2 S VIDEO OUT, VIDEO 2 S VIDEO IN)			
J6904	1-764-676-11	CONNECTOR (ROUND TYPE) (VIDEO 1 S VIDEO OUT, VIDEO 1 S VIDEO IN)			
J6905	1-774-227-11	JACK, PIN 1P (EXT VIDEO VIDEO IN)			
		< RESISTOR >			
R6901	1-216-864-11	SHORT CHIP	0		
R6902	1-216-864-11	SHORT CHIP	0		
R6903	1-216-864-11	SHORT CHIP	0		
R6904	1-216-864-11	SHORT CHIP	0		
R6905	1-216-864-11	SHORT CHIP	0		
R6906	1-218-285-11	METAL CHIP	75	5%	1/10W
R6907	1-218-285-11	METAL CHIP	75	5%	1/10W
R6908	1-218-285-11	METAL CHIP	75	5%	1/10W
R6909	1-218-285-11	METAL CHIP	75	5%	1/10W
R6910	1-218-285-11	METAL CHIP	75	5%	1/10W
R6911	1-218-285-11	METAL CHIP	75	5%	1/10W
R6912	1-218-285-11	METAL CHIP	75	5%	1/10W
R6917	1-216-864-11	SHORT CHIP	0		
R6918	1-218-285-11	METAL CHIP	75	5%	1/10W
R6919	1-218-285-11	METAL CHIP	75	5%	1/10W
R6920	1-218-285-11	METAL CHIP	75	5%	1/10W
R6921	1-218-285-11	METAL CHIP	75	5%	1/10W
R6923	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6927	1-218-285-11	METAL CHIP	75	5%	1/10W
R6928	1-216-813-11	METAL CHIP	220	5%	1/10W
R6930	1-218-285-11	METAL CHIP	75	5%	1/10W
R6932	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6933	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6934	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6935	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6936	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6937	1-216-864-11	SHORT CHIP	0		
R6938	1-216-864-11	SHORT CHIP	0		
R6939	1-218-285-11	METAL CHIP	75	5%	1/10W
R6940	1-216-813-11	METAL CHIP	220	5%	1/10W
R6941	1-216-864-11	SHORT CHIP	0		
R6942	1-218-285-11	METAL CHIP	75	5%	1/10W
**********					
		SP TERMINAL BOARD			
		**********			
		< CAPACITOR >			
C4101	1-137-395-91	MYLAR	0.022uF	5%	100V
C4102	1-137-395-91	MYLAR	0.022uF	5%	100V
C4103	1-137-395-91	MYLAR	0.022uF	5%	100V
C4104	1-137-395-91	MYLAR	0.022uF	5%	100V
C4105	1-128-809-11	CERAMIC	100PF	5%	50V
C4106	1-128-809-11	CERAMIC	100PF	5%	50V
C4107	1-128-809-11	CERAMIC	100PF	5%	50V
C4108	1-128-809-11	CERAMIC	100PF	5%	50V
		< CONNECTOR >			
CNP4101	1-785-105-11	PIN, CONNECTOR (3.96mm PITCH) 7P			
CNP4102	1-785-104-11	PIN, CONNECTOR (3.96mm PITCH) 6P			
CNP4103	1-784-921-11	PIN, CONNECTOR 4P			
CNP4104	1-785-101-11	PIN, CONNECTOR (3.96mm PITCH) 3P			
		< DIODE >			
D4101	8-719-991-33	DIODE 1SS133T-77			
D4102	8-719-991-33	DIODE 1SS133T-77			
		< TRANSISTOR >			
Q4101	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q4102	8-729-119-78	TRANSISTOR	2SC2785-HFE		

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R4101	1-249-393-11	CARBON	10	5%	1/4W
R4102	1-249-393-11	CARBON	10	5%	1/4W
⚠R4103	1-249-393-11	CARBON	10	5%	1/4W F
R4104	1-249-429-11	CARBON	10K	5%	1/4W
⚠R4105	1-249-393-11	CARBON	10	5%	1/4W F
R4106	1-249-429-11	CARBON	10K	5%	1/4W
⚠R4107	1-249-393-11	CARBON	10	5%	1/4W F
⚠R4108	1-249-393-11	CARBON	10	5%	1/4W F
⚠R4109	1-249-393-11	CARBON	10	5%	1/4W F
⚠R4110	1-249-393-11	CARBON	10	5%	1/4W F
		< RELAY >			
RY4101	1-515-920-11	RELAY (24V)			
RY4102	1-515-920-11	RELAY (24V)			
		< TERMINAL >			
TM4101	1-780-404-11	TERMINAL BOARD (SP) (8P) (SPEAKERS SURROUND/SURROUND BACK)			
**********					
		SPSW DA5200 BOARD			
		**********			
		< DIODE >			
D711	6-501-193-01	DIODE 1SS355WTE-17			
D712	6-501-193-01	DIODE 1SS355WTE-17			
		< RESISTOR >			
R780	1-216-025-11	RES-CHIP	100	5%	1/10W
R781	1-216-025-11	RES-CHIP	100	5%	1/10W
R782	1-216-089-11	RES-CHIP	47K	5%	1/10W
R783	1-216-089-11	RES-CHIP	47K	5%	1/10W
		< SWITCH >			
S724	1-762-684-11	SWITCH, ROTARY (SPEAKERS)			
**********					
	A-1189-070-A	USB BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C002	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C003	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C004	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C005	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C006	1-114-208-11	ELECT CHIP	330uF	20%	6.3V
C008	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C009	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C010	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C011	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C012	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C013	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C014	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C015	1-128-995-21	ELECT CHIP	100uF	20%	10V
C016	1-128-995-21	ELECT CHIP	100uF	20%	10V
C017	1-128-995-21	ELECT CHIP	100uF	20%	10V
C018	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V

Ref. No.	Part No.	Description			Remark
C019	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C020	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C021	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C022	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C023	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C024	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C025	1-128-995-21	ELECT CHIP	100uF	20%	10V
C026	1-128-995-21	ELECT CHIP	100uF	20%	10V
C027	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C028	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C029	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C030	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C031	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C032	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C033	1-128-995-21	ELECT CHIP	100uF	20%	10V
C034	1-128-995-21	ELECT CHIP	100uF	20%	10V
C035	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C036	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C038	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C039	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C040	1-128-995-21	ELECT CHIP	100uF	20%	10V
C041	1-128-995-21	ELECT CHIP	100uF	20%	10V
C042	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C043	1-128-995-21	ELECT CHIP	100uF	20%	10V
C044	1-128-995-21	ELECT CHIP	100uF	20%	10V
C045	1-128-995-21	ELECT CHIP	100uF	20%	10V
C046	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C047	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C048	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C049	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C050	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C051	1-126-400-11	ELECT CHIP	22uF	20%	35V
C052	1-126-400-11	ELECT CHIP	22uF	20%	35V
C053	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C054	1-128-995-21	ELECT CHIP	100uF	20%	10V
C055	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C056	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C057	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C058	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C061	1-126-400-11	ELECT CHIP	22uF	20%	35V
C062	1-126-400-11	ELECT CHIP	22uF	20%	35V
C063	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C064	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C070	1-128-995-21	ELECT CHIP	100uF	20%	10V
C071	1-128-995-21	ELECT CHIP	100uF	20%	10V
C072	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C073	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C084	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C085	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C086	1-128-995-21	ELECT CHIP	100uF	20%	10V
C087	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C088	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
		< CONNECTOR >			
CN003	1-794-032-21	PIN, CONNECTOR (PC BOARD) 11P			
* CN004	1-770-468-21	PIN, CONNECTOR (PC BOARD) 10P			
CN009	1-770-161-21	PIN, CONNECTOR (PC BOARD) 6P			

USB | USB CONNECTOR

Ref. No.	Part No.	Description			Remark
		< DIODE >			
D002	8-719-053-18	DIODE 1SR154-400TE-25			
D003	8-719-069-86	DIODE PTZ-TE25-8.2A			
D004	8-719-053-18	DIODE 1SR154-400TE-25			
		< IC >			
IC002	6-710-053-01	IC TC94A70FG-004			
IC003	6-600-063-01	IC TDUHC124B			
IC004	6-707-806-01	IC TPS2041BDGNR			
IC005	6-705-904-01	IC TAR5S15			
IC006	6-806-655-01	IC TMP92FY23FG-06A3ES-USB-X100			
IC008	6-707-568-01	IC TA48033F-TE16L			
IC009	6-707-569-01	IC TA48050F-TE16L			
IC050	8-759-710-97	IC NJM4565M-D			
IC061	6-710-121-01	IC M24256-BWMN6TP (A)			
IC081	6-709-182-01	IC TC7WH126FK (T5RSOYF			
@ IC084	6-707-827-11	IC MB82D01181E-60LPBNJERE1			
IC085	8-759-831-52	IC TC7WH125FK (TE85R)			
		< RESISTOR >			
R001	1-216-802-11	METAL CHIP	27	5%	1/10W
R002	1-216-802-11	METAL CHIP	27	5%	1/10W
R003	1-216-835-11	METAL CHIP	15K	5%	1/10W
R004	1-216-835-11	METAL CHIP	15K	5%	1/10W
R005	1-216-835-11	METAL CHIP	15K	5%	1/10W
R006	1-216-835-11	METAL CHIP	15K	5%	1/10W
R007	1-216-809-11	METAL CHIP	100	5%	1/10W
R008	1-216-835-11	METAL CHIP	15K	5%	1/10W
R009	1-216-835-11	METAL CHIP	15K	5%	1/10W
R010	1-216-835-11	METAL CHIP	15K	5%	1/10W
R011	1-216-835-11	METAL CHIP	15K	5%	1/10W
R012	1-216-835-11	METAL CHIP	15K	5%	1/10W
R013	1-216-835-11	METAL CHIP	15K	5%	1/10W
R014	1-216-835-11	METAL CHIP	15K	5%	1/10W
R015	1-216-835-11	METAL CHIP	15K	5%	1/10W
R016	1-216-835-11	METAL CHIP	15K	5%	1/10W
R017	1-216-835-11	METAL CHIP	15K	5%	1/10W
R018	1-216-835-11	METAL CHIP	15K	5%	1/10W
R019	1-216-835-11	METAL CHIP	15K	5%	1/10W
R020	1-216-835-11	METAL CHIP	15K	5%	1/10W
R021	1-216-845-11	METAL CHIP	100K	5%	1/10W
R022	1-216-845-11	METAL CHIP	100K	5%	1/10W
R023	1-216-845-11	METAL CHIP	100K	5%	1/10W
R024	1-216-845-11	METAL CHIP	100K	5%	1/10W
R025	1-216-809-11	METAL CHIP	100	5%	1/10W
R026	1-216-813-11	METAL CHIP	220	5%	1/10W
R027	1-216-805-11	METAL CHIP	47	5%	1/10W
R028	1-216-857-11	METAL CHIP	1M	5%	1/10W
R029	1-216-857-11	METAL CHIP	1M	5%	1/10W
R030	1-216-857-11	METAL CHIP	1M	5%	1/10W
R031	1-216-809-11	METAL CHIP	100	5%	1/10W
R032	1-216-833-11	METAL CHIP	10K	5%	1/10W
R033	1-216-833-11	METAL CHIP	10K	5%	1/10W
R035	1-216-809-11	METAL CHIP	100	5%	1/10W
R036	1-216-845-11	METAL CHIP	100K	5%	1/10W
R051	1-216-841-11	METAL CHIP	47K	5%	1/10W
R061	1-216-841-11	METAL CHIP	47K	5%	1/10W
R081	1-216-809-11	METAL CHIP	100	5%	1/10W
R082	1-216-809-11	METAL CHIP	100	5%	1/10W
R083	1-216-809-11	METAL CHIP	100	5%	1/10W
R084	1-216-833-11	METAL CHIP	10K	5%	1/10W
R085	1-216-809-11	METAL CHIP	100	5%	1/10W
R086	1-216-809-11	METAL CHIP	100	5%	1/10W
R087	1-216-841-11	METAL CHIP	47K	5%	1/10W
R088	1-216-833-11	METAL CHIP	10K	5%	1/10W
R089	1-216-833-11	METAL CHIP	10K	5%	1/10W
R090	1-216-833-11	METAL CHIP	10K	5%	1/10W
R091	1-216-833-11	METAL CHIP	10K	5%	1/10W
R092	1-216-833-11	METAL CHIP	10K	5%	1/10W
R093	1-216-833-11	METAL CHIP	10K	5%	1/10W
R094	1-216-833-11	METAL CHIP	10K	5%	1/10W
R095	1-216-845-11	METAL CHIP	100K	5%	1/10W
R096	1-216-845-11	METAL CHIP	100K	5%	1/10W
R097	1-216-833-11	METAL CHIP	10K	5%	1/10W
R098	1-216-833-11	METAL CHIP	10K	5%	1/10W
R099	1-216-809-11	METAL CHIP	100	5%	1/10W
R100	1-216-833-11	METAL CHIP	10K	5%	1/10W
R101	1-216-864-11	SHORT CHIP	0		
R102	1-216-864-11	SHORT CHIP	0		
R103	1-216-809-11	METAL CHIP	100	5%	1/10W
R104	1-216-841-11	METAL CHIP	47K	5%	1/10W
R105	1-216-833-11	METAL CHIP	10K	5%	1/10W
		< COMPOSITION CIRCUIT BLOCK >			
RB001	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB002	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB003	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB004	1-234-372-11	RES, NETWORK 100 (1005X4)			
		< VIBRATOR >			
X001	1-795-537-21	VIBRATOR, CRYSTAL (6MHz)			
X003	1-767-984-21	VIBRATOR, CRYSTAL (10MHz)			
X004	1-767-408-21	VIBRATOR, CRYSTAL (16.9344MHz)			
**********					
		USB CONNECTOR BOARD			
		**********			
		< CAPACITOR >			
C121	1-114-208-11	ELECT CHIP	330uF	20%	6.3V
C122	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C123	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C124	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
		< CONNECTOR >			
CN121	(Not supplied)	CONNECTOR, USB (A) (USB (AUDIO))			
CN122	1-770-161-21	PIN, CONNECTOR (PC BOARD) 6P			
		< DIODE >			
D121	6-500-701-01	DIODE PGB1010603NR			
D122	6-500-701-01	DIODE PGB1010603NR			
D123	6-500-701-01	DIODE PGB1010603NR			

@Replacement of IC084 on the USB board used in this set requires a special tool.

Ref. No.	Part No.	Description			Remark
		< COIL >			
L121	1-456-583-11	COMMON MODE CHOKE COIL			
		< RESISTOR >			
R121	1-216-845-11	METAL CHIP	100K	5%	1/10W
		< LEAD >			
W001	1-775-377-51	LEAD (WITH CONNECTOR)			
**********					
	A-1188-306-A	VIDEO BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C6101	1-126-947-11	ELECT	47uF	20%	35V
C6102	1-126-947-11	ELECT	47uF	20%	35V
C6103	1-126-947-11	ELECT	47uF	20%	35V
C6104	1-126-947-11	ELECT	47uF	20%	35V
C6105	1-126-947-11	ELECT	47uF	20%	35V
C6106	1-126-947-11	ELECT	47uF	20%	35V
C6107	1-126-947-11	ELECT	47uF	20%	35V
C6108	1-126-947-11	ELECT	47uF	20%	35V
C6109	1-126-947-11	ELECT	47uF	20%	35V
C6110	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6111	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6112	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6113	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6114	1-126-947-11	ELECT	47uF	20%	35V
C6115	1-126-947-11	ELECT	47uF	20%	35V
C6329	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6401	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C6402	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C6403	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C6404	1-126-964-11	ELECT	10uF	20%	50V
C6405	1-126-964-11	ELECT	10uF	20%	50V
C6406	1-126-964-11	ELECT	10uF	20%	50V
C6407	1-126-964-11	ELECT	10uF	20%	50V
C6408	1-126-964-11	ELECT	10uF	20%	50V
C6409	1-126-964-11	ELECT	10uF	20%	50V
C6410	1-126-964-11	ELECT	10uF	20%	50V
C6411	1-126-964-11	ELECT	10uF	20%	50V
C6412	1-126-947-11	ELECT	47uF	20%	35V
C6413	1-126-947-11	ELECT	47uF	20%	35V
C6414	1-126-947-11	ELECT	47uF	20%	35V
C6415	1-126-947-11	ELECT	47uF	20%	35V
C6416	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6417	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6418	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C6419	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6420	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6421	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C6422	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C6423	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C6424	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C6425	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C6426	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6427	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6428	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C6429	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C6430	1-126-964-11	ELECT	10uF	20%	50V
C6431	1-126-964-11	ELECT	10uF	20%	50V
C6432	1-126-947-11	ELECT	47uF	20%	35V
C6433	1-126-947-11	ELECT	47uF	20%	35V
C6434	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6435	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6436	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6437	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6438	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6701	1-126-947-11	ELECT	47uF	20%	35V
C6702	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6703	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C6704	1-126-947-11	ELECT	47uF	20%	35V
C6705	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C6706	1-126-947-11	ELECT	47uF	20%	35V
C6707	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6708	1-126-947-11	ELECT	47uF	20%	35V
C6709	1-126-947-11	ELECT	47uF	20%	35V
C6710	1-126-947-11	ELECT	47uF	20%	35V
C6711	1-126-947-11	ELECT	47uF	20%	35V
C6712	1-104-662-91	ELECT	22uF	20%	25V
C6713	1-104-662-91	ELECT	22uF	20%	25V
C6714	1-104-662-91	ELECT	22uF	20%	25V
C6715	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C6716	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6717	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6718	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C6719	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C6720	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C6721	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C6722	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C6723	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C6724	1-104-662-91	ELECT	22uF	20%	25V
C6725	1-104-662-91	ELECT	22uF	20%	25V
C6726	1-104-662-91	ELECT	22uF	20%	25V
C6727	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6728	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6729	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6730	1-126-916-11	ELECT	1000uF	20%	6.3V
C6731	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6732	1-104-665-11	ELECT	100uF	20%	25V
C6733	1-126-962-11	ELECT	3.3uF	20%	50V
C6734	1-126-916-11	ELECT	1000uF	20%	6.3V
C6735	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6736	1-104-665-11	ELECT	100uF	20%	25V
C6737	1-126-962-11	ELECT	3.3uF	20%	50V
C6738	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6739	1-126-916-11	ELECT	1000uF	20%	6.3V
C6740	1-104-665-11	ELECT	100uF	20%	25V
C6741	1-126-962-11	ELECT	3.3uF	20%	50V
C6801	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6802	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6805	1-126-933-11	ELECT	100uF	20%	16V
C6806	1-126-933-11	ELECT	100uF	20%	16V
C6807	1-162-927-11	CERAMIC CHIP	100PF	5%	50V

VIDEO

Ref. No.	Part No.	Description			Remark
C6808	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C6809	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C6810	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C6811	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
		< CONNECTOR >			
CN6801	1-794-002-11	CONNECTOR 13P			
CN6802	1-779-289-11	CONNECTOR, FFC (LIF (NON-ZIF)) 21P			
CN6803	1-779-977-11	PIN, CONNECTOR 6P			
CN6804	1-784-923-11	PIN, CONNECTOR 7P			
CN6805	1-779-977-11	PIN, CONNECTOR 6P			
CN6806	1-691-769-11	PLUG (MICRO CONNECTOR) 7P			
CN6807	1-784-922-11	PIN, CONNECTOR 5P			
CN6808	1-794-005-11	CONNECTOR 19P			
CN6809	1-784-925-11	PIN, CONNECTOR 10P			
		< DIODE >			
D6101	8-719-988-61	DIODE 1SS355TE-17			
D6401	8-719-988-61	DIODE 1SS355TE-17			
D6402	8-719-988-61	DIODE 1SS355TE-17			
D6403	8-719-988-61	DIODE 1SS355TE-17			
D6404	8-719-988-61	DIODE 1SS355TE-17			
D6701	8-719-988-61	DIODE 1SS355TE-17			
D6702	8-719-988-61	DIODE 1SS355TE-17			
D6703	8-719-988-61	DIODE 1SS355TE-17			
		< IC >			
IC6101	6-706-767-01	IC NJM2586AM			
IC6401	6-704-199-01	IC NJM2595M-TE2			
IC6402	6-704-199-01	IC NJM2595M-TE2			
IC6701	6-709-844-01	IC LT6553IGN			
IC6702	6-706-767-01	IC NJM2586AM			
IC6703	8-759-822-05	IC LA7213			
IC6704	8-759-822-05	IC LA7213			
IC6705	8-759-822-05	IC LA7213			
IC6802	8-759-268-29	IC SN74HC595ANS			
IC6803	8-759-268-29	IC SN74HC595ANS			
		< JACK >			
J6101	1-815-360-11	JACK, PIN 3P (COMPONENT VIDEO MONITOR OUT)			
J6102	1-816-592-11	JACK, PIN 9P (COMPONET VIDEO TV/SAT IN, DVD IN, VIDEO 1 IN)			
J6401	1-770-337-11	JACK, PIN 3P (MONITOR OUT VIDEO, TV/SAT VIDEO IN, DVD VIDEO IN)			
J6402	1-770-337-11	JACK, PIN 3P (VIDEO 2 VIDEO OUT, VIDEO 2 VIDEO IN, VIDEO 1 VIDEO OUT)			
J6403	1-518-043-11	JACK, PIN 2P (VIDEO 1 VIDEO IN, ZONE 2 VIDEO OUT)			
		< JUMPER RESISTOR >			
JW6801	1-216-864-11	SHORT CHIP	0		
JW6802	1-216-864-11	SHORT CHIP	0		
JW6803	1-216-864-11	SHORT CHIP	0		
JW6804	1-216-864-11	SHORT CHIP	0		
JW6805	1-216-864-11	SHORT CHIP	0		
JW6806	1-216-864-11	SHORT CHIP	0		
JW6807	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
		< COIL >			
L6301	1-469-525-11	INDUCTOR	10uH		
L6302	1-469-525-11	INDUCTOR	10uH		
L6401	1-469-525-11	INDUCTOR	10uH		
L6402	1-469-525-11	INDUCTOR	10uH		
L6403	1-469-525-11	INDUCTOR	10uH		
L6404	1-469-525-11	INDUCTOR	10uH		
L6701	1-469-525-11	INDUCTOR	10uH		
L6702	1-469-525-11	INDUCTOR	10uH		
L6703	1-469-525-11	INDUCTOR	10uH		
L6704	1-469-525-11	INDUCTOR	10uH		
L6801	1-469-525-11	INDUCTOR	10uH		
L6802	1-469-525-11	INDUCTOR	10uH		
L6803	1-469-525-11	INDUCTOR	10uH		
		< TRANSISTOR >			
Q6101	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q6401	8-729-216-22	TRANSISTOR	2SA1162-G		
Q6402	8-729-216-22	TRANSISTOR	2SA1162-G		
Q6702	8-729-027-59	TRANSISTOR	DTC144EKA-T146		
Q6703	8-729-027-59	TRANSISTOR	DTC144EKA-T146		
Q6704	8-729-027-59	TRANSISTOR	DTC144EKA-T146		
		< RESISTOR >			
R6101	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6102	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6103	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6104	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6105	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6106	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6107	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6108	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6109	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6110	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6111	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6112	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6113	1-216-073-00	METAL CHIP	10K	5%	1/10W
R6114	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6116	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6118	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6120	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
⚠R6121	1-249-393-11	CARBON	10	5%	1/4W F
R6401	1-216-864-11	SHORT CHIP	0		
R6402	1-216-864-11	SHORT CHIP	0		
R6403	1-216-864-11	SHORT CHIP	0		
R6404	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6405	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6406	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6407	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6408	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6409	1-216-864-11	SHORT CHIP	0		
R6410	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6411	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6412	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6414	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R6415	1-211-990-11	METAL CHIP	75	0.50%	1/10W
R6416	1-211-990-11	METAL CHIP	75	0.5%	1/10W

Ref. No.	Part No.	Description			Remark
R6417	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6418	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6419	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6420	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R6421	1-216-809-11	METAL CHIP	100	5%	1/10W
R6422	1-216-809-11	METAL CHIP	100	5%	1/10W
R6423	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6424	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6425	1-216-842-11	METAL CHIP	56K	5%	1/10W
R6426	1-216-839-11	METAL CHIP	33K	5%	1/10W
R6427	1-216-842-11	METAL CHIP	56K	5%	1/10W
R6428	1-216-839-11	METAL CHIP	33K	5%	1/10W
R6429	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R6701	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6703	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6704	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6705	1-216-864-11	SHORT CHIP	0		
R6706	1-216-864-11	SHORT CHIP	0		
R6707	1-216-864-11	SHORT CHIP	0		
R6708	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R6709	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R6710	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R6711	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6712	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6713	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6714	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6715	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6716	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6717	1-216-815-11	METAL CHIP	330	5%	1/10W
R6718	1-216-847-11	METAL CHIP	150K	5%	1/10W
R6719	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6720	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6721	1-216-847-11	METAL CHIP	150K	5%	1/10W
R6722	1-216-815-11	METAL CHIP	330	5%	1/10W
R6723	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6724	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6725	1-216-815-11	METAL CHIP	330	5%	1/10W
R6726	1-216-847-11	METAL CHIP	150K	5%	1/10W
R6727	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6728	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6801	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6810	1-216-809-11	METAL CHIP	100	5%	1/10W
R6811	1-216-809-11	METAL CHIP	100	5%	1/10W
R6812	1-216-809-11	METAL CHIP	100	5%	1/10W
R6813	1-216-809-11	METAL CHIP	100	5%	1/10W
R6814	1-216-809-11	METAL CHIP	100	5%	1/10W
R6815	1-218-842-11	METAL CHIP	620	0.5%	1/10W
R6816	1-218-842-11	METAL CHIP	620	0.5%	1/10W
R6817	1-218-842-11	METAL CHIP	620	0.5%	1/10W
R6818	1-216-864-11	SHORT CHIP	0		
R6819	1-216-864-11	SHORT CHIP	0		
R6823	1-216-864-11	SHORT CHIP	0		
R6824	1-216-864-11	SHORT CHIP	0		
R6825	1-216-864-11	SHORT CHIP	0		
R6826	1-216-864-11	SHORT CHIP	0		
R6827	1-216-864-11	SHORT CHIP	0		
R6828	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
		< RELAY >			
RY6101	1-755-184-11	RELAY			
RY6102	1-755-184-11	RELAY			
**********					
	A-1219-989-A	VIDEO 3 BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C757	1-104-665-11	ELECT	100uF	20%	25V
C758	1-104-665-11	ELECT	100uF	20%	25V
C759	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C760	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C761	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C762	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C763	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C764	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C765	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C766	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C767	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C768	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C769	1-165-319-11	CERAMIC CHIP	0.1uF		50V
		< TERMINAL/CONNECTOR >			
CN720	1-784-808-11	TERMINAL, S (VIDEO 3 IN/PORTABLE AV IN S VIDEO)			
CN721	1-784-923-11	PIN, CONNECTOR 7P			
CN723	1-779-978-11	PIN, CONNECTOR 3P			
CN724	1-779-977-11	PIN, CONNECTOR 6P			
CN725	1-784-922-11	PIN, CONNECTOR 5P			
		< EARTH TERMINAL >			
* ET702	1-537-738-21	TERMINAL, EARTH			
* ET703	1-537-738-21	TERMINAL, EARTH			
		< IC >			
IC706	8-759-710-97	IC NJM4565M-D			
IC707	6-600-219-01	IC GP1FM313RZ0F (VIDEO 3 IN/PORTABLE AV IN DIGITAL (OPT))			
		< JACK >			
J702	1-815-313-11	JACK (PHONES)			
J703	1-770-571-11	JACK BLOCK, PIN (L TYPE) 3P (VIDEO 3 IN/PORTABLE AV IN VIDEO, AUDIO)			
		< RESISTOR >			
R762	1-216-025-11	RES-CHIP	100	5%	1/10W
R763	1-216-049-11	RES-CHIP	1K	5%	1/10W
R764	1-216-049-11	RES-CHIP	1K	5%	1/10W
R765	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R766	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R767	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R768	1-216-089-11	RES-CHIP	47K	5%	1/10W
R769	1-216-089-11	RES-CHIP	47K	5%	1/10W
R770	1-216-295-00	SHORT CHIP	0		
R774	1-216-295-00	SHORT CHIP	0		
R775	1-216-295-00	SHORT CHIP	0		
R776	1-216-295-00	SHORT CHIP	0		

VIDEO 3 **ZONE3**

Ref. No.	Part No.	Description			Remark
R785	1-216-295-00	SHORT CHIP	0		
R786	1-216-295-00	SHORT CHIP	0		
**********					
		ZONE3 BOARD			
		**********			
		< CAPACITOR >			
C457	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C557	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
		< CONNECTOR >			
CN610	1-779-978-11	PIN, CONNECTOR 3P			
		< JACK >			
J610	1-778-940-11	JACK 2P (ZONE 3 AUDIO OUT)			
		< RESISTOR >			
R457	1-208-437-41	RES-CHIP	1K	2%	1/10W
R557	1-208-437-41	RES-CHIP	1K	2%	1/10W
**********					
		MISCELLANEOUS			
		**********			
6	1-400-061-11	CORE, FERRITE (CLAMP FILTER) (US, CND)			
10	1-469-969-11	CLAMP, FERRITE (US,CND)			
11	1-481-057-11	CORE, FERRITE (CLAMP FILTER) (US, CND)			
55	1-543-793-11	FILTER, CLAMP (FERRITE CORE)			
62	1-469-241-11	CORE, FERRITE (RFC-8 BK) (US, CND)			
65	1-469-969-11	CLAMP, FERRITE			
154	1-828-368-51	WIRE (FLAT TYPE) (21 CORE)			
157	1-693-675-11	TUNER (US, CND)			
157	1-693-676-11	TUNER (AEP, UK)			
159	1-469-241-11	CORE, FERRITE (RFC-8 BK)			
204	1-769-944-11	WIRE (FLAT TYPE) (11 CORE) (US, CND)			
204	1-773-008-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK)			
254	1-500-824-11	FERRITE CORE			
⚠F01	1-532-504-33	FUSE (TA4L/250V) (AEP, UK)			
⚠F01	1-533-311-12	FUSE, GLASS CYLINDRICAL (DIA.5) (8A/125V)			(US, CND)
⚠F02	1-532-464-33	FUSE (T2.5AL/250V) (AEP)			
⚠F02	1-533-420-12	FUSE, GLASS CYLINDRICAL(DIA.5) (5A/125V)			(US, CND)
⚠F1403	1-532-504-33	FUSE (T4AL/250V)			
⚠F1404	1-532-504-33	FUSE (T4AL/250V)			
⚠F1405	1-532-506-33	FUSE (T6.3AL/250V)			
⚠J01	1-820-651-11	INLET, AC 2P (~AC IN)			
Q1507	8-729-051-92	TRANSISTOR	2SD2560		
Q1508	8-729-051-93	TRANSISTOR	2SB1647		
Q1521	8-729-026-08	TRANSISTOR	2SC4495		
Q1557	8-729-051-92	TRANSISTOR	2SD2560		
Q1558	8-729-051-93	TRANSISTOR	2SB1647		
Q1571	8-729-026-08	TRANSISTOR	2SC4495		
Q1607	8-729-051-92	TRANSISTOR	2SD2560		
Q1608	8-729-051-93	TRANSISTOR	2SB1647		
Q1621	8-729-026-08	TRANSISTOR	2SC4495		
Q1707	8-729-051-92	TRANSISTOR	2SD2560		
Q1708	8-729-051-93	TRANSISTOR	2SB1647		
Q1721	8-729-026-08	TRANSISTOR	2SC4495		
Q1757	8-729-051-92	TRANSISTOR	2SD2560		
Q1758	8-729-051-93	TRANSISTOR	2SB1647		
Q1771	8-729-026-08	TRANSISTOR	2SC4495		
Q1807	8-729-051-92	TRANSISTOR	2SD2560		
Q1808	8-729-051-93	TRANSISTOR	2SB1647		
Q1821	8-729-026-08	TRANSISTOR	2SC4495		
Q1857	8-729-051-92	TRANSISTOR	2SD2560		
Q1858	8-729-051-93	TRANSISTOR	2SB1647		
Q1871	8-729-026-08	TRANSISTOR	2SC4495		
⚠T01	1-445-040-11	TRANSFORMER, POWER (US, CND)			
⚠T01	1-445-041-11	TRANSFORMER, POWER (AEP, UK)			
**********					
		ACCESSORIES			
		**********			
	1-474-029-11	REMOTE COMMANDER (RM-AAL005)			(US, CND)
	1-474-030-11	REMOTE COMMANDER (RM-AAL006)			(AEP, UK)
	1-474-031-11	REMOTE COMMANDER (RM-AAU009)			
	1-501-374-12	ANTENNA, LOOP (AM loop antenna)			
	1-501-594-14	ANTENNA (FM) (FM wire antenna) (AEP, UK)			
	1-542-644-11	MEASUREMENT MIC (STEREO)			(Optimizer microphone: EMC-AC1)
	1-793-184-23	CONNECTOR (F TYPE ADAPTOR)			(FM wire antenna) (US, CND)
⚠	1-820-797-11	ADAPTOR, CONVERSION (EURO ECU 6) (UK)			
⚠	1-824-964-12	CORD, POWER (US, CND)			
⚠	1-831-474-11	CORD, POWER (AEP, UK)			
	2-687-417-11	MANUAL, INSTRUCTION (ENGLISH) (US, CND)			
	2-687-418-11	MANUAL, INSTRUCTION (ENGLISH) (AEP, UK)			
	2-687-418-21	MANUAL, INSTRUCTION (FRENCH, SPANISH)			(AEP)
	2-687-418-31	MANUAL, INSTRUCTION			(GERMAN, DUTCH, ITALIAN) (AEP)
	2-687-418-41	MANUAL, INSTRUCTION (SWEDISH, POLISH)			(AEP)
	2-687-418-51	MANUAL, INSTRUCTION (DANISH, FINNISH)			(AEP)
	2-687-418-61	MANUAL, INSTRUCTION (PORTUGUESE) (AEP)			
	2-687-418-71	MANUAL, INSTRUCTION (RUSSIAN) (AEP)			
	2-699-550-11	MANUAL, INSTRUCTION (GREEK) (AEP)			
	2-699-550-21	MANUAL, INSTRUCTION (HUNGARIAN, CZECH)			(AEP)
	2-699-550-31	MANUAL, INSTRUCTION (TURKISH) (AEP)			
	2-699-550-41	MANUAL, INSTRUCTION (SLOVAKIAN) (AEP)			
	3-302-708-11	COVER, CONNECTOR (for pinjack of rear panel)			(AEP, UK)
	4-228-696-01	COVER, BATTERY (for RM-AAU009)			

MEMO

REVISION HISTORY

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Ver.	Date	Description of Revision
1.0	2006.09	New